Choose the correct answer:

(1) The triangle whose measures of its angles are 50°, 90° and 40° is ……………….

    a an acute-angled triangle   **c** an obtuse-angled triangle

    b a right-angled triangle   **d** an isosceles triangle

(2) $4\dfrac{1}{8} \times 2\dfrac{2}{3}$ = …………

    a 1   **b** 10   **c** 11   **d** 111

(3) If $\{7,10\} \subset \{10, x+4\}$, then x = ………

    a 3   **b** 4   **c** 5   **d** 6

(4) 3.75 × 1000 = ……………

    a 0.375   **b** 0.0375   **c** 3750   **d** 37.5

(5) $\dfrac{1}{2}$ …… $\dfrac{1}{3}$

    a >   **b** <   **c** ≥   **d** =
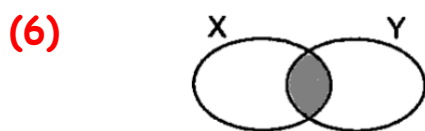
(6) The shaded part represents ……………
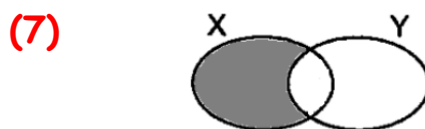
    a X ∩ Y   **b** X ∪ Y   **c** X – Y   **d** Y – X

(7) The shaded part represents ……………
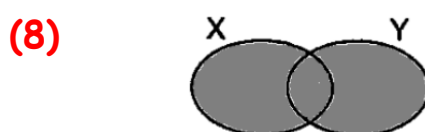
    a X ∩ Y   **b** X ∪ Y   **c** X – Y   **d** Y – X

(8) The shaded part represents ……………

    a X ∩ Y   **b** X ∪ Y   **c** X – Y   **d** Y – X

(9) 55.241×100 ……… 552.41×10

   a $>$ **b** $<$ **c** $\geq$ **d** $=$

(10) $\dfrac{2}{3} \times$ ……… $= 1$

   a 1 **b** 2 **c** 3 **d** $\dfrac{3}{2}$

(11)   43 days $\cong$ ………… (to the nearest week)

   a 4 **b** 6 **c** 5 **d** 7

(12)   Any chord passing through the centre of a circle is called ……

   a diameter   **b** radius   **c** side   **d** centre

(13) $\{52\}$ ……… $\{5,2\}$

   a $\subset$ **b** $\not\subset$ **c** $\in$ **d** $\notin$

(14) $12.3 \times$ ………… $= 1230$

   a 10 **b** 100 **c** 1000 **d** 10000

(15)   If $Y = \{2,4,6\} \cap \{1,2,3\}$, then 6 ……… Y

   a $\subset$ **b** $\not\subset$ **c** $\in$ **d** $\notin$

(16) $\{2,3,6,12\} \cap$ the set of factors of the number $6 =$ ………

   a $\{2,3,6,12\}$ **b** $\{3,6\}$ **c** $\{4,6\}$ **d** $\{2,3,6\}$

(17) $\dfrac{5}{8}$ ………… 0.5734

   a $>$ **b** $<$ **c** $\geq$ **d** $=$

(18) 3.36 km $=$ …………… m

   a 3.36 **b** 33.6 **c** 336 **d** 3360

(19) $9\frac{3}{25} \cong$ .... (to the nearest tenth)

   ⓐ 0.9   **ⓑ** 9.2   **ⓒ** 9.1   **ⓓ** 9

(20) $\frac{5}{6} \div 1\frac{1}{6} =$ ....

   ⓐ $\frac{5}{7}$ **ⓑ** $\frac{2}{6}$ **ⓒ** $\frac{3}{7}$ **ⓓ** $\frac{7}{6}$

(21) 0.312 × 100 .... 312 ÷ 100

   ⓐ >   **ⓑ** <   **ⓒ** ≥   **ⓓ** =

(22) The smallest number from the following is ....

   ⓐ 0.111   **ⓑ** 0.12   **ⓒ** 0.123   **ⓓ** 1.023

(23) 10 × 4.72 .... 100 × 0.472

   ⓐ >   **ⓑ** <   **ⓒ** ≥   **ⓓ** =

(24) $\frac{3}{5}$ × 1.6 > .... × 1.6

   ⓐ 0.6   **ⓑ** 1.6   **ⓒ** 0.3   **ⓓ** $\frac{5}{3}$

(25) If Y = {2,3,5} ∩ {1,3,5}, then {1,2} .... Y

   ⓐ ⊂   **ⓑ** ⊄   **ⓒ** ∈   **ⓓ** ∉

(26)
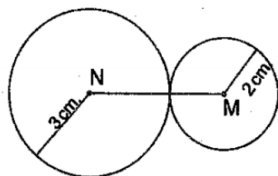
In the opposite figure:

MN = ... cm

   ⓐ 2   **ⓑ** 3   **ⓒ** 6   **ⓓ** 5

(27) The length of a diameter of any circle ...... the length of any chord in it doesn't passing through the center

   ⓐ >   **ⓑ** <   **ⓒ** ≥   **ⓓ** =

(28) {0} ……… {1,2,5,8}

a $\subset$ **b** $\not\subset$ **c** $\in$ **d** $\notin$

(29) The number 736.592 $\cong$ 736.59 to the nearest …………

a ten   **b** tenth   **c** hundredth   **d** 0.001

(30) If $\dfrac{2}{3} = \dfrac{16}{C}$, then C = ………

a 2   **b** 3   **c** 12   **d** 24

(31) $\dfrac{1}{3} \times \dfrac{3}{4}$ = …………

a $\dfrac{1}{3}$ **b** $\dfrac{1}{2}$ **c** $\dfrac{1}{4}$ **d** $\dfrac{4}{9}$

(32) If 3 $\in$ {x,5} , then x = ………

a 5   **b** 3   **c** 8   **d** 2

(33) 312 ÷ 10 = …………

a 3.12   **b** 0.312   **c** 31.2   **d** 312

(34) 14.4 × 10 ……… 144

a >   **b** <   **c** $\geq$ **d** =

(35) In any triangle, there are ……… heights.

a 0   **b** 1   **c** 2   **d** 3

(36) {5} ……… {5,8}

a $\subset$ **b** $\not\subset$ **c** $\in$ **d** $\notin$

(37) When tossing a coin once, the probability of getting a tail = …

a 0   **b** 1   **c** $\dfrac{1}{2}$ **d** $\dfrac{1}{4}$

(38) $\dfrac{1}{2}$ = ...

   a 5   **b** 0.5   **c** 0.05   **d** 50

(39) The longest chord in a circle is called a ....

   a chord   **b** radius   **c** center   **d** diameter

(40)
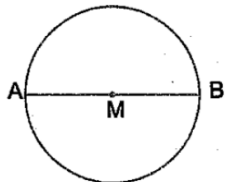
AB is called a ....

   a chord   **b** radius   **c** center   **d** diameter

(41) The number of altitude of any triangle is ....

   a 0   **b** 1   **c** 2   **d** 3

(42) 10×4.72 .... 100×0.472

   a >   **b** <   **c** $\geq$ **d** =

(43)
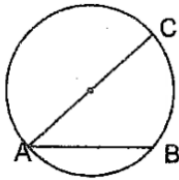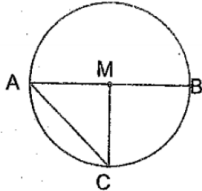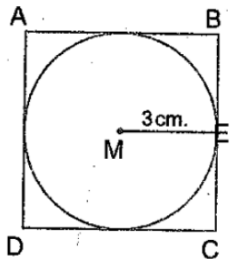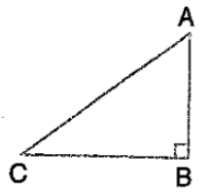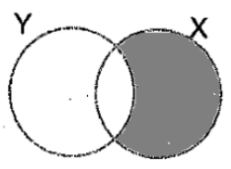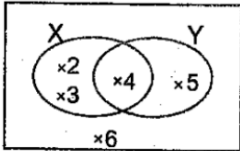
AB is called a ....

   a chord   **b** radius   **c** center   **d** diameter

Complete:

(1)	$\dfrac{4}{12} \div \dfrac{6}{12}$ = ...	"$\dfrac{2}{3}$"
(2)	The probability of the sure event = ...	"1"
(3)	If $\dfrac{x}{8} = \dfrac{15}{24}$, then x = ...	"5"
(4)	2.4 dm = ... cm.	"24"

(5)	In the opposite figure: (1) MA = ... = ... (2) The longest chord is	"MB" "MC" "AB"
(6)	65.384 - .... = 65	"0.384"
(7)	$\dfrac{3}{25}$ ÷ .... = $\dfrac{3}{25}$	"1"
(8)	If X ⊂ Y, then X ∩ Y = ...	"X"
(9)	If the probability of a pupil succeed in an exam is $\dfrac{8}{10}$, then the probability of his fail = ...	"$\dfrac{1}{5}$"
(10)	In the opposite figure: If ME = 3 cm, then the perimeter of the square = ... cm	"24"
(11)	In the opposite figure: The corresponding height of the base $\overline{BC}$ is	"AB"
(12)	The shaded part represent	"X-Y"
(13)	A circle of radius length 1 cm, then its diameter length = ... cm	"2"
(14)	4.6798 ≅ .... (to the nearest hundredth)	"4.68"
(15)	$2\dfrac{1}{4}$ × .... = 1	"$\dfrac{4}{9}$"
(16)	3978 ÷ .... = 3.978	"1000"
(17)	4.85 ≅ .... (to the nearest tenth)	"4.9"
(18)	When tossing a die once, the probability of getting the number 3 is	"$\dfrac{1}{6}$"
(19)	48.4 ÷ 4 = ...	"12.1"

(20)	A circle of diameter length 4 cm, then its radius length = ………… cm	"2"
(21)	If X = {1,2,5,7}, Y = {1,5,3}, then X ∩ Y = ……	"{1,5}"

(22) From the opposite figure, find:

(1) X ∩ Y = …………

(2) X ∪ Y = …………

(3) X – Y = …………

(4) Y – X = …………

(5) X' = …………

U

X   Y

×2
×3   ×4   ×5

×6

"{4}"

"{2,3,4,5}"

"{2,3}"

"{5}"

"{5,6}"

(23)	When tossing a die once, the probability of getting an even number is …………	„$\frac{1}{2}$"
(24)	When tossing a die once, the probability of getting an odd number is …………	„$\frac{1}{2}$"
(25)	When tossing a die once, the probability of getting a prime number is …………	„$\frac{1}{2}$"

(26) From the table,

Game	Football	Basketball	Handball
No. of pupils	50	40	10

The probability that a pupil plays basketball = ……

„$\frac{2}{5}$"

Essay Problems:

(1) **Arrange** in a descending order:

$$5\frac{1}{2} \ , \ 6\frac{1}{4} \ , \ 5\frac{3}{4} \text{ and } 5\frac{2}{5}$$

…………… , …………… , …………… , …………… and ……………

(2) **Find** the width of a rectangle whose area is 10.25 m^2 and its length is 4.1 m, and then **find** its perimeter.

....

....

(3) If U = {x : x is an odd number < 15}, X = {1,3} and
Y = {1,5,9,13}, draw a Venn diagram that represents the
sets, then find X ∩ Y

(4) A box contains identical balls where 5 balls are white, 9 red
and 6 black. If one ball chosen randomly, what is the
probability that the chosen ball is white? ……………………………………

(5) A rectangle of length 4.1 cm and width 3.5 cm. Calculate its
area. ……………………………………………………………………………………

(6) Find the number if multiplied by 0.25, the product is 3.25

……………………………………………………………………………………………………

(7) Draw a △ ABC in which BC = 6 cm and AB = AC = 5 cm, draw
$\overline{AD} \perp \overline{BC}$. Find the length of AD.

Final Revision – Pri.5 First Term

1- Complete each of the following:

a- The probability of the certain event equals …….. while the probability of impossible event equals ………

b- If you have two sets X, Y and (X ∩ Y) = Ø so, X and Y are called …………. Sets.

c- 0.005 x 100 = 0.05 x ……….

d- 19.995 ≃ …………….. (approximate to the nearest hundredths)

e- 6.25 ÷ 0.25 = ……….

f- $\frac{3}{4}$ of $\frac{20}{9}$ = ……………..

g- If 3 ∈ {2, 4, x}, then x = ……….. , while if 5 ∉ {1, y, 7}, then y = ………

h- The place value of the digit 6 in the number 3.064 is …………............. while the value of the digit 7 in the number 175.381 is ………………..

i- $4\frac{1}{8} \div 3\frac{1}{2}$ = …………………………..

j- If the perimeter of a square is $\frac{8}{13}$ cm. then the length of each side equals …..

k- (1.3 x 2.7) + (3.8 x 1.2) = ……………………….

l- The reciprocal of $2\frac{3}{5}$ is ………. while the reciprocal of 24 is ………….

m- 456.25 ÷ …………. = 0.45625

n- …………. $\div \frac{2}{3} = \frac{9}{4}$

o- The chord is ……

p- The length of the diameter is ……….. the length of the radius.

q- There is a bag contains 3 red marbles, 4 blue marbles and 6 white marbles. If a ball is selected randomly, the probability that the ball in not white equals ……….

r- Any triangle has ………………. Altitudes.

s- The altitudes of the acute – angled triangle intersect at ……… point ………… the triangle, while the altitudes of the obtuse – angled triangle intersect at ………. Point ….......... The triangle.

Final Revision

2- A) Amir had 100 L.E. he bought 10 pieces of chocolate for 8.25 L.E. find the money left with him.

B) Draw circle M with diameter $\overline{AB}$ of length 10 cm. draw the chord $\overline{AC}$ of length 4.5 cm. join $\overline{BC}$ and write the type of triangle ABC according to its sides once and according to its angles.

C) A bag contains 4 yellow marbles, 8 blue marbles and 3 red marbles. If there is a marble selected randomly. Find the probability of each of the followings:

1- The selected marble is blue.

2- The selected marble is not red.

3- The selected marble is blue or red.

3- A) complete with the suitable sign ($\in$, $\notin$, $\subset$, $\not\subset$):

a- 3 ……… { 1,2,3 }

b- { a, b } ……… { a,b,c }

c- { 1,2,3 } ……… { 1,2 }

d- { x,y,z } ………. { x,z }

e- Ø ………. {   }

f- 2 …….. { 22 }

g- 34 ………. { 3,4 }

B) write all subsets from the set A = { 9,10,11 ,12 }. Is Ø subset from set A ?

C) A class in grade 5 of 25 students. 15 of them are boys. If we choose a student from this class randomly. What is the probability that the selected student is a girl ?.

C) Draw triangle ABC where $\overline{AB}=\overline{AC}$ = 6 cm, and $\overline{BC}$ = 7 cm. Draw its altitudes. what is the type of the triangle according to its sides and according to its angles?

4- A) Find the value of X and Y which makes the statement true:

a- { 1,x,3 } $\subset$ { 1,2,3,4 }

b- { 5,y } $\subset$ { 5,6 }

c- { 7,9,x,11 } $\not\subset$ { 7,9,8,11 }

d- { 12,13,x,15 } $\subset$ { 12,y,11,15 }

Final Revision

e- { 6,12,x,18 } ⊄ { 12,6,18,15 }

f- { 2,x,3,4 } ⊄ { 3,4,5,2 }

B) If u = { 1,2,3,4,5,6,7,8,9,10 } and A = { 1,2,4,6 } , B = { 2,4,7,9 }.

Represent the previous sets using Venn diagram then find each of the following:

A' , B' , (A − B)' , (A ∩ B)' , (A ∪ B)'

C) *State whether these sets are equal or not:*

1- { 2,3,5 } and { 5,3,2 }

2- { letters of word recover } and { c,o,v,e,r }

3- { digits of the number 2011 } and { 0,1,2 }

5- A) in a class of 35 students, there are 5 more boys than girls. If one student is selected randomly. Find the probability of this student being a boy.

   B) A truck can carry 265 watermelons in each trip. Find the number of trips needed to transport 54060 watermelons.

   C) *complete:*   1- 0.07 x 115 = ………………

                      2- 1.32 x 100 = ………………

                      3- 9.65 ÷ 1000 = ……………

                      4- 34.5 ÷ 10 = ………………..

Revision

1 **Complete:**

1) If $5 \in \{3, 2, x\}$, then X = ...

2) $\frac{2}{5}$ is the reciprocal of ....

3) $4\frac{1}{3}$ minutes = ... Seconds.

4) $7.81 \times 1000 = 78.1 \times$ ....

5) $1\frac{1}{2} \div 3\frac{2}{3} =$ ....

6) If $7 \in \{2, 5, x+3\}$, then x= ....

7) If $y \subset X$ then $y \cap x =$ ....

8) If $X \subset Y$ then $X \cup Y =$ ....

9) $3\frac{1}{8} \cong$ .... To the nearest hundredth.

10) $42.5 + 6.148 =$ .... $\cong$ .... to the nearest $\frac{1}{10}$

11) 255 hours $\cong$ .... days .

12) The diameter length of the circle whose radius 4 cm is ....

13) The probability of the certain event is ....

14) The probability of the impossible event is ....

15) If the probability that a pupil passes en exam is $\frac{8}{10}$, then the probability

that this pupil fails is ....

16) If $X \cup Y = \emptyset$, then each of x and y is ....

17) If $X \cup y = y$, then $X \cap y =$ ....

18) $\frac{3}{5} < \frac{x}{10} < \frac{4}{5}$, then x = ...

19) If $\{a, 5\} = \{b, 3\}$, then a = ... , b = ...

20) $\{7, 6\} \cup \{7, 8, 9\} =$ ....

21) If $\{2, 5, 7\} \cap \{3, 7, 1\} =$ ....

22) The longest chord of the circle is ....

Mr : Haytham Sadek   Tel: 01005332893   Page 1

23) If $\frac{a}{7} = 1$, then a = ……………………

24) 4.5 ÷ ……… = 18

25) …………… ÷ 1000 = 8.31

26) If {2 , 3 } - {3 , x } = ∅ , then X = ………………

27) If 5∉ {1 , x , 4 } , then x = ……………………

28) If 8 ∈ { 3 , $2x$, 5} , then x = …………………

29) 1.9 , 2.8 , 3.7 , ……………… , ……………………

30) In the opposite Venn diagram : A` = ……………….

U

5

A   8

4   1
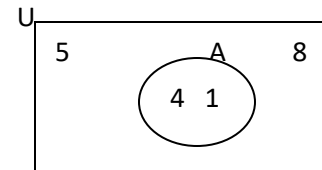
2 | **Choose the correct answer:**

1) 23.4359 ≅ ……………… to the nearest thousandth. (23.44 , 23.436 , 23.4 , 23.43)

2) Number of altitudes of an obtuse angled triangle is ……………. (0 , 1 , 2 , 3)

3) 345.6 cm ≅ ……………… meters.   (3 , 4 , 3.4 , 5)

4) X ∩ X̀ = ……………………… (X , X̀ , U , ∅)

5) 172 × 0.003 …………… 0.172 × 0.3   (< , > , =)

6) If $\frac{x}{8} = \frac{15}{24}$, then x = ………………   (3 , 5 , 4 , 12)

7) $3\frac{1}{8}$ ≅ …………. To the nearest hundredth.   (3.15 , 3.13 , 3 , 3.1)

8) If M = {5 , 2 , 3 } ∩ {1 , 5 } , then M ……………{2}   (∈ , ∉ , ⊂ , ⊄)

9) {2 , 11} …………………{set of odd numbers}   (∈ , ∉ , ⊂ , ⊄)

10) 4 …………………… {set of factors of 12}   (∈ , ∉ , ⊂ , ⊄)

11) ∅ ………………… {0}.   (∈ , ∉ , ⊂ , ⊄)

12) The decimal which is included between 0.6 and 0.7 is ……………(0.71 , 0.59 , 0.61 , 0.72)

13) 19.45 × 100 = ………………… (0.1945 , 1945 , 1.945 , 194.5)

14) If X⊂ Y   and Y⊂ X, then ………………… (X = Y , X , Y , X-Y = X)

15) 3 …………… {2 , 3 } ∩ {2 , 4 }   (∈ , ∉ , ⊂ , ⊄)

16) {2 , 3 , 5 } ∩ ∅ = …………………… (∅ , {2 , 3 , 5 } , {0})

17) If U = { 1 , 2 , 3 , 4} and A` = {1 , 4 }, then A = ... ({2} , {3} , ∅ , {2 , 3 })

18) The probability of the sure event = ... (0 , 1 , ∅ , $\frac{1}{2}$)

19) The sum of probabilities of the outcomes of a random experiment

equals .... (0 , 1 , $\frac{1}{3}$, $\frac{2}{5}$)

20) The probability of getting the number zero when tossing die once is ....

(0 , $\frac{1}{2}$, $\frac{1}{6}$, 1)

21) 67 months ≅ .... Years.   (5 , 6 , 7 , 8)

22) 1 .... {11}   { ∈ , ∉ , ⊂ , ⊄ }

23) The probability of any event may equal .... ($\frac{5}{4}$, $\frac{7}{8}$, $\frac{3}{2}$, 1.2)

24) (X` )` = ... (X , U , Y , X`)

25) A die is tossed ones. The probability of getting a prime number is .... ($\frac{1}{3}$, 1 , ∅ , $\frac{1}{2}$)

26) The length of radius of the circle whose diameter of length 8 cm. is ....cm.

        (4 , 8 , 16 , 2)

27) The chord of the circle M is ....

($\overline{MC}$, $\overline{AM}$, $\overline{BC}$, $\overline{MB}$)
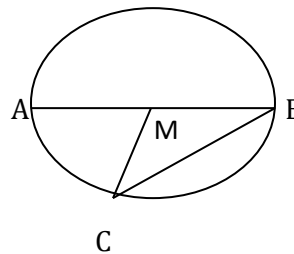
28) In the opposite figure:

$\overline{AB}$ is a ....

        (radius , diameter , chord)
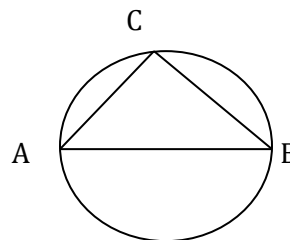
3 **Answer the questions :**

1) Rania made some juice. She gave $\frac{1}{4}$ of it to her neighbor and poured the rest equally into 9 bottles. What fraction of the juice did each bottle contain?

2) A teacher bought a piece of cloth 10.5 meters long to be distributed equally among excellent girls. She gave each girl a piece of 1.5 m . How many excellent girls are there?

3) If water is poured in a box at a rate of 1.45 liters each hour, calculate the amount of water poured in 4.8 hours?

4) Marwa had L.E. 60 she spent $\frac{1}{3}$ of her money on meat and $\frac{1}{4}$ of the money on vegetables. How much did she spend altogether?

5) In a school , $\frac{2}{5}$ of the pupils are girls and 900 are boys. What is the total number of pupils in this school?

6) Find the area of the square whose side length is 4.06 m. to the nearest hundredth.

7) Hany has 30 pounds. He bought 12 cans, each for 1.85 pounds. What is the remainder with him?

8)A card is drawn at random from 10 ards numbers from 1 to 10 find the probability that the drawn card carries:

a) A prime number.

b) An even number greater than 6

9) A box contains cards numbered from 1 to 20 . if a card is drawn randomly , the probability that the card number is divisible by 6 ?

Sure …

You must study with me
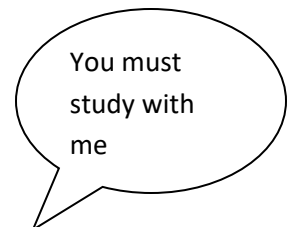
10) Draw the triangle ABC where AB = 7.5 cm. , BC = 10 cm. and CA = 8 cm.

, draw the altitude from A to $\overline{BC}$ and measure its length.

11) Draw the triangle ABC in which: AB = 6 cm. , BC = 3 cm. and m(∠ B) = 60° Measure the lengths of the altitudes of the triangle ABC

12) Draw a circle M of radius 3 cm. Draw the diameter $\overline{AB}$ and the chord AC of length 4 cm. Draw $\overline{BC}$ and find it's length.

18) **Use the opposite Venn diagram to list the following sets.**

a) A ∩ B   b) A - B

c) A ∪ B   d) A`

U

A   3 B
  1   2
  6
4   5
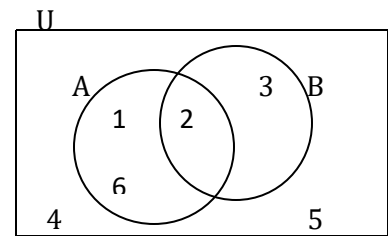
19) **Use the opposite Venn diagram , list each of**

a) X ∩ Y ∩ Z   e) X`

b) X ∪ Y   f) Y – Z

c) Y - X   z) X∪ Z

U

4   X   1   3   Y
  2   6   5   Z
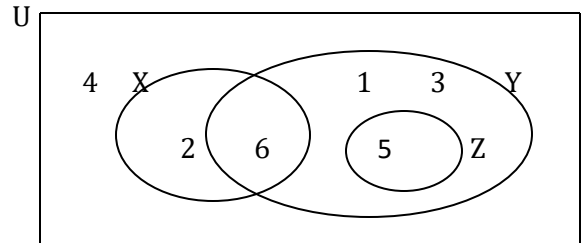
20) IF U = { 2 , 3 , 4 , … … … …. , 9 } , A = { 2 , 3 , 9 } , B = { 2 , 3 , 7 } , C = { 2 , 6 , 7 , 8 }

1) list C` , A∩ B   ,   A ∪ B   ,   A∩ $B ∩ C$, A- C

2) represent U , A , B and C on a Venn diagram.

Silence ….

Delicious…

See you

soon…

Final Revision

Complete:-

75.349 $\cong$ to the nearest hundredth

$3\frac{13}{25} \cong$ to the nearest tenth

7.545 $\cong$ 7.55   to the nearest ....

3.5 km = ...m   560 cm = ... m

654.2 ÷ 100 =   , ... ÷ 100= 65.2

52.96 ×100 = ...   , ...× 1000 =65.3

255 ÷ 25 = 2.55 ÷ ....

39 days $\cong$ .... To nearest weeks

2.5×3.5 ...... 0.25× 35   (<, = ,>)

(5.2 ×11.2) ÷ 2.5 = ...

$5\frac{3}{4}$ $\cong$ ....   to nearest whole number

426.305 +67.19 = ...$\cong$ ....to nearest hundredth

$\frac{7}{3}$ = ... $\cong$ ....to nearest hundredth

If XCY then $X \cap Y$ =....... , $X \cup Y = \cdots$,$X - Y$ =.......

$\emptyset$ X   X $\cap$ X$^{\backslash}$ =

If 4$\in$ { 5, x+1}   then X= ....   , If 8$\in$ { 5, 2X }   then X= ....

If X$\cap$ Y = $\emptyset$ then X and Y are ......

The probability of the sure (certain) event is ......

The probability of the impossible event is ......

The chord of the circle which passes through its Centre is ......

The longest chord in the circle is called ....

The number of altitudes of the triangle is ....

The altitudes of right angled triangle intersect at ......

A circle with diameter 10 cm then its radius length is ..... cm

Complete using (⊆, ⊄, ∈, ≇)

5 .... {33,44,55 }   { a } ...... { Rawan}

{ 2 }....... { 0,2,4,6,...}   3 ....   the factors of 15

Ø .... {9,5,3 }   {1,2} ...... {12, 21}

As throwing affair die once calculate the probability of appearing:-

1- A number greater than 3
2- An odd prime number
3- A number divisible by 3
4- A number less than or equal 6
5- An even number

A bag contains 5 white balls, 9 red balls and 6 black balls if a ball is drawn randomly . What is the probability that the drawn ball is

1- White   2- not white   3- white or red

Find the result:-

426.305 +67.19 = ...   ≅   ....to nearest hundredth

$\frac{3}{8}$ X $\frac{2}{9}$ =........

$12\frac{1}{2}$ × $\frac{4}{5}$ = ...

6 ÷ $1\frac{1}{2}$ = ...

$3\frac{3}{4}$ ÷ $1\frac{1}{2}$ = ...

5.68 ÷ 1.25 =………..   ≅ ……..   to the nearest tenth

48.24÷ 1.2 =…………

$\frac{3}{7}$ = ………   ≅ …………..   to the nearest tenth

* Tarak bought 7.5 kg of meat if the price of one kg is 42.5 pounds calculate to nearest pound the price of meat.

* Ali bought a T.V for L.E 2000 he paid L.E440 of its cost and paid the remainder on monthly installments each of them 32.5   find the number of installments ?

 * Find the perimeter of rectangle whose length 4.1 cm and its width is 3.5 cm then calculate the area.

 * If the Area of the rectangle is 30.875 cm² and its width is 4.75 cm Find its length.

 * Draw the equilateral triangle ABC whose side length = 5 cm then draw AD⊥BC

 * Draw the triangle ABC where AB= 6cm , BC=8 cm , CA = 10 cm Bisect AC at M then draw a circle of radius length 5cm and M is its Centre .

* Arrange ascending   a) 0.6, $\frac{3}{8}$, $\frac{3}{4}$, 0.8

                        b) $\frac{1}{4}$, 0.8 , 0.4 , $\frac{1}{2}$, $\frac{3}{4}$

 * If the Universal set **U** an odd number less than 15 , X ={1,3,5} Y={1,3,9,11} . Draw the Venn diagram which represents the sets U ,X ,Y .
Find:- $x \cap y$, $y \cup x$, $x - y$, x , y

* If A the set of the digits of number 5337 and B the set of factors of 15 , List A and B then Find $A \cup B$, $A \cap B$, $A - B$

1)	*Perimeter of square = Side length × 4*
2)	*Perimeter of Rectangle = (Length + width) × 2*
3)	*Perimeter of equilateral triangle = Side length × 3*
4)	*Side length of square = Perimeter ÷ 4*
5)	*Side length of Equilateral triangle = Perimeter ÷ 3*
6)	*Area of rectangle = Length × Width*
7)	*Area of square = Side length × Side length*
8)	*Radius = Diameter ÷ 2*
9)	*Radius = half diameter = $\frac{1}{2}$ × diameter*
10)	*Diameter (longest chord)* = Radius × 2 = double radius = $2r$

1	*Set of prime numbers* = $\{2,3,5,7,11,13,17,19,23,...\}$		
2	*The set of factors of* 12 = $\{1,12,2,6,3,4\}$		
3	*The set of multiples of* 5 = $\{0,5,10,15,20,...\}$		
4	$A \cap \emptyset = \emptyset$		$\emptyset \cup A = A$
5	If $A = B$, therefore $A \cup B = A = B$		$A \cap B = A = B$
6	If $A \subset B$, therefore $A \cap B = A$		$A \cup B = B$
7	$U - X = \grave{X}$	$U - \grave{X} = X$ "Where U is the universal set"	
8	$X - U = \emptyset$	$\emptyset - X = \emptyset$	$X - X = \emptyset$
9	$\grave{U} = \emptyset$	$A \cap \hat{A} = \emptyset$	$A \cup \hat{A} = U$
10	$X - \emptyset = X$	$\grave{\emptyset} = U$	$(\grave{A}) = A$
11	$A - A\grave{} = ...$		
12	If $X \subset Y$ then $X - Y = ...$		
13	If $X \cap Y = \emptyset$ then $X - Y = ...$		
14	If $X - Y = X$, then $X \cap Y = ...$		
15	If $a \in X$, then $a ....\grave{X}$.		($\in$ or $\subset$ or $\notin$ or $\not\subset$)
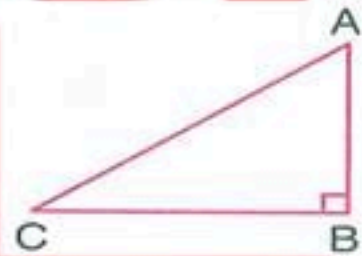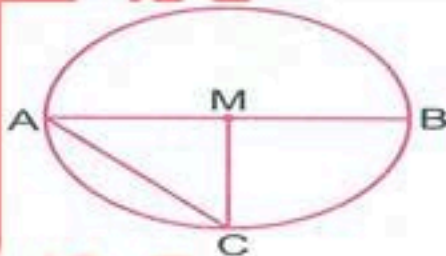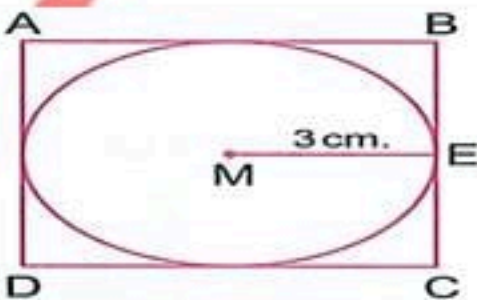
❶ complete :-

1	3 .42 km = ... m
2	7456 m $\simeq$ .... Km.
3	$8.657\ meters \simeq$ .... cm.
4	94.745 km $\simeq$ .... Km.
5	Any chord passing through the centre of the circle is called ....
6	$If\ 7 \in \{x + 3\ ,5\}$, then $x =$ ....
7	$If\{3\ ,\ 4\ ,5\} \subset \{4\ ,x - 2\ ,5\}$, then $x =$ ....
8	$if\ 4 \in \{1\ ,2\ ,2x\}$, then $x =$ ....
9	If $\frac{x}{8} = \frac{15}{24}$, then $x =$ ....
10	If $X \subset Y$ then $X \cap Y =$ .... and $X \cup Y =$ ....
11	$4.7896 \simeq$ .... (to the nearest thousandth)
12	$12.34 + 15.172 =$ .... $\simeq$ .... (to the nearest hundredth)
13	$1.7 \times 0.04 =$ ....
14	$32.5 \times 0.1 =$ ....
15	$7.64 \times 0.93 \simeq$ .... (to the nearest thousandth)
16	$25.25 \div 0.25 =$ ....
17	$4.86 \div 0.9 =$ ....
18	$8855 \div 253 =$ ....
19	$\{5\ ,2\ ,4\} - \{2\ ,4\ ,6\} =$ ....
20	$625 \div 25 = 6.25 \div$ ....
21	$Number\ of\ subsets\ of\ the\ set\ \{77\}\ is$ ....
22	$Number\ of\ subsets\ of\ the\ set\ A = \{1\ ,2\}\ is$ ....
23	$Number\ of\ subsets\ of\ the\ set\ \{2\ ,5\ ,1\}\ is$ ....
24	$The\ probability\ of\ the\ certain\ event =$ ....
25	$3978 \div$ .... $= 3.978$
26	$The\ diameter\ is\ a$ .... $Passing\ through\ the$ ....
27	$If\ \frac{5}{7} < \frac{x}{7} < 1$, then $x =$ ....
28	$The\ number\ of\ altitudes\ of\ any\ triangle\ is$ ....
29	$The\ probability\ of\ impossible\ event\ is$ ....
30	$\frac{2}{7} + \frac{3}{7} =$ ....

31	43 days $\simeq$ .... weeks (*to the neasrest week*)
32	39 days $\simeq$ .... Weeks (*to the neasrest week*)
33	67 *months* $\simeq$ .... *years* (*to the neasrest year*)
34	73 hours $\simeq$ .... *days* (to the nearest hour)
35	If the probability of a pupil succeed in an exam is $\frac{2}{7}$, then the probability of his fail = ...
36	$4\frac{1}{8} \times 2\frac{2}{3} = $ ....
37	$5\frac{1}{2} \div 3\frac{2}{3} = $ ....
38	$2\frac{1}{3} \div \frac{5}{6} = $ ....
39	$32.5 \div 1000 = $ ....
40	$\frac{2}{7} \times$ .... $= 1$ $\qquad$ $2\frac{1}{4} \times$ .... $= 1$
41	$3.002\ kg = $ .... gm
42	$0.735 \div 0.21 = $ ....
43	The altitudes of right angled triangle intersect at 1 point which is ....
44	The altitudes of the obtuse angled triangle intersect at one point .... the triangle
45	The altitudes of the acute angled triangle intersect at one point .... the triangle
46	The number of altitudes of the right angled triangle is ....
47	All radii of the circle are ....
48	.... $\div 100 = 4.599$
49	*If* $B \cap A = A$, then .... $\subset$ ....
50	$2.67 \div 1.2 = $ .... $\div 12$
51	If X and Y are disjoint , then $X \cap Y = $ ....
52	$3\frac{1}{8} \simeq $ .... (to the nearest hundredth)
53	$\{8\} - \{2 , 5 , 8\} = $ ....
54	*if the universal set* $U = \{1 , 2 , 3 , 4 , 5\}$, $X = \{1 , 3 , 5\}$, *then* $X` = $ ....
55	If $\frac{2}{9} < \frac{x}{9} < \frac{4}{9}$, then $x = $ ....

56	.... $\div$ 9 = 4.5
57	When tossing a coin , the probability of appearing a head = ...
58	If X $\subset$ Y then X $-$ Y = ...
59	If $\{2 , x , 7\}$ = $\{5 , y , 2\}$, then x = ... , y = ...
60	When tossing a die once , the probability of appearing an odd number is ....
61	A circle of diameter length 7 cm. , then its radius length = ... Cm
62	2.07 $\times$ 0.03 = ...
63	65.384 $-$ .... = 65
64	A rectangle , its length 4.1 cm. and its width is 3.5 cm. , find (a) Perimeter .... (b) Area ....
65	2.4 dm = ... Cm.
66	The longest chord in the circle is the ....
67	the set of the digits of the number 7353 is ....
68	If A and B are disjoint sets , then A $-$ B = ...
69	$A \cap A\grave{}$ = ... $\quad$ $A \cup A\grave{}$ = ... $\quad$ $A - A\grave{}$ = ...
70	$\{2 , 3 , 5\} \cap \{2 , 3 , 4\}$ = ...
71	$9\frac{3}{25} \simeq$ .... (to the nearest tenth)
72	To draw a circle with diameter length 8 cm. , we open the compasses .... cm.
73	$\frac{2}{3} \simeq$ .... (to the nearest tenth)
74	$\frac{3}{25} \div$ .... = $\frac{3}{25}$
75	$\frac{3}{25} \div$ .... = $\frac{25}{3}$
76	If $\{4 , 6\}$ = $\{x - 1 , 4\}$, then x = ...
77	the perimeter of square whose side length 5.75 cm. = ...
78	If A and B belong to the circle M where M $\in \overline{AB}$, then $\overline{AB}$ is called a ....
79	The midpoint of any diameter in a circle is .... of the circle

80	$\{5, 6\} - \{x\} = \{6\}$, then $x = $ ....
81	$\{3, 7, 5\} \cup \{4, 5, 6\} = $ ....
82	If $X = Y$ then $X - Y = $ ....
83	If $X \cup Y = X$, then .... $\subset$ ....
84	The subsets of the set $\{7\}$ are .... and ....
85	The subsets of the set $\{2, 8\}$ are ....
86	$\{1, 2, 3, 4\} \cap$ the set of the prime numbers = ...
87	$\{2, 12, 3, 6\} \cap$ the set of all factors of the number $6 = $ ....
88	Any line segment connects between any two points on the circle is called ....
89	4 tens ÷ 8 tenths = ...
90	$12.35 \times $ .... $= 12350$
91	The corresponding height of the base $\overline{BC}$ is ....
92	A diameter is a chord that ....
93	$\emptyset$ .... $\{0\}$
94	The sum of the measures of the angles of a triangle = ...
95	if $\frac{7}{14} = \frac{x}{2}$, then $x = $ ....
96	[a] MA = ... = ... [b] The longest chord in the circle is ....
97	The triangle whose measures of its angles are $50°, 90°, 40°$ is .... angled triangle
98	Find the number if multiplied by 0.12, the result will be 2.67 ....
99	If ME = 3 cm. , then the perimeter of the square = ... cm.
100	the number $736.592 \simeq 736.59$ (to the nearest ....)
101	the number $29.456 \simeq 29.5$ (to the nearest ....)

102	In the opposite figure : MN = ... cm.	
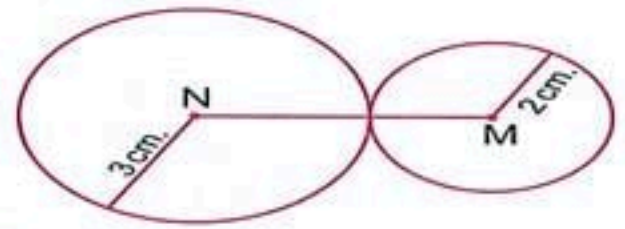
103	From the table , find the probability that a pupil plays basketball :

Game	Football	Basketball	Handball
Number of pupils	50	40	10

The probability = ...

104	M and N are two circles. If their diameters have the lengths 6 cm. and 4 cm. , then the length of $\overline{MN}$ = ... cm.	
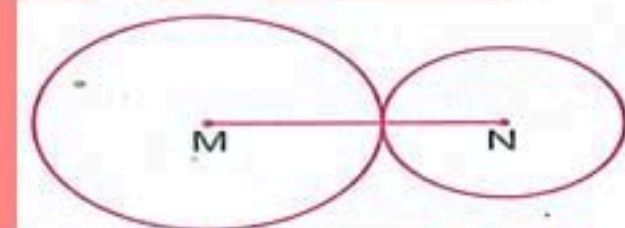
105			
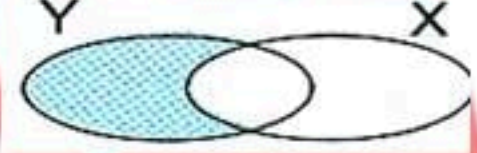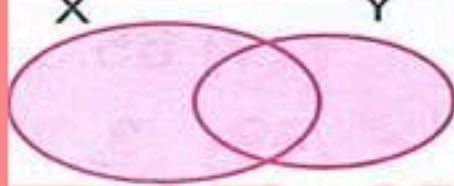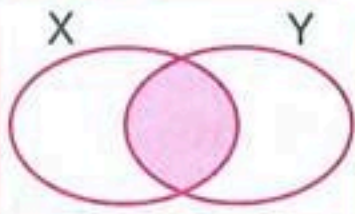
106			
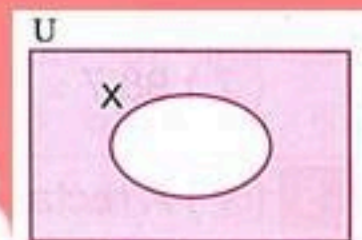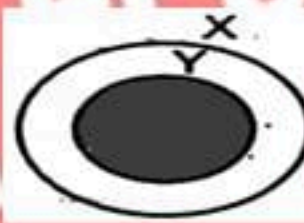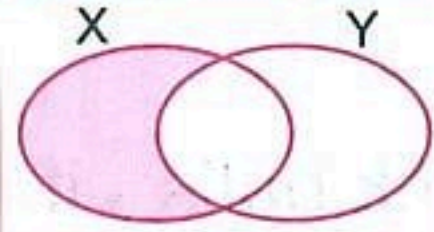
107			
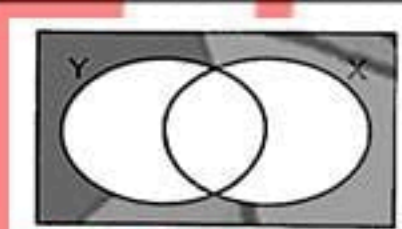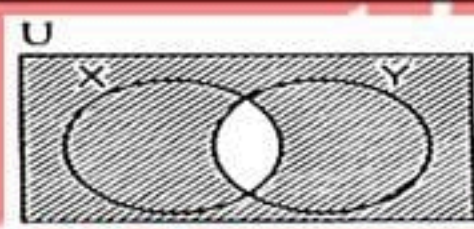
108	*The sum of measure of 2 acute angle in right angled tringle is ....*

109	At throwing a fair die once , then the probability of the number 4 is ....

110	$6.3\ litres$ = ... $millitres$

111	$\{1,4,6\} \cup \emptyset$ = ...	$\{2,3\} \cap \emptyset$ = ...

112	*if* $\{7,10\} \subset \{10, 4+x\}$, *then* x = ...

113	$4.6798 \simeq$ .... (to the nearest thousandth)

114	$100 - 27.384$ = ... $\simeq$ .... (to the nearest 2 decimal places)

115	$6\frac{3}{8} \simeq$ .... (to the nearest hundredth)
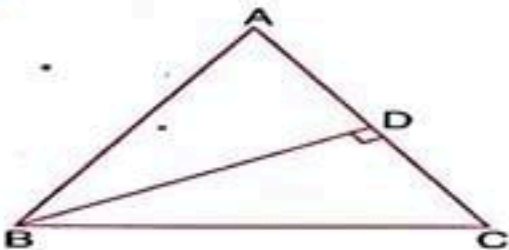
116	………… $\times 1000 = 2310$
117	………….. $\div 100 = 4.599$
118	ABC is an equilateral triangle of side length 4.1 cm. , then its perimeter = ………. Cm
119	The probability that Khaled wins a game is 0.7 , then the probability of losing the same game is …………….
120	As tossing a die once the probability of getting ➢ an even number = ……………. ➢ an odd number = ………….. ➢ a prime even number = ……………… ➢ a prime number = …………… ➢ getting the number 5 = ……………… ➢ a number divisible by 3 = ………… ➢ a number lass than 3 = …………….
121	A box contains 6 white balls, 3 blue balls and 2 red balls. A ball is chosen randomly, **find the probability of getting**: a) a blue ball =………… , b) a white or red ball =………… . c) a green ball =………… , d) not red = ………… E) not green = ……….
122	A card has been randomly drawn out of 10 cards numbered from 1 to 10 find the probability of getting : • An odd number = ……………. • A prime number = ………….. • An even number greater than 6 = …………….

123	In the opposite Venn diagram , find : [a] $X \cap Y =$ ··············· [b] $X \cup Y =$ ··············· [c] $X - Y =$ ··············· [d] $(X \cup Y)` =$ ··············· U Y ×4 ×5 ×6 ×8 ×3 ×2 X ×1 ×7
124	Using the opposite Venn diagram , find : [a] $X \cup Y =$ ··············· [b] $X \cap Y =$ ··············· [c] $Y - X =$ ··············· [d] $X` =$ ··············· U X ×1 ×6 ×4 ×2 Y ×7 ×5 ×8 ×3
125	If $U = \{1,2,3,4,5\}$, $X = \{2,3\}$, $Y = \{1,3,5\}$ Represent these sets by a Venn diagram , then find : [a] $X \cup Y =$ ·· [b] $X \cap Y =$ ··
126	If $U = \{x : x$ is an odd number $< 15\}$, $X = \{1,3,5\}$ and $Y = \{1,5,9,13\}$ draw a Venn diagram that represents the sets U , X and Y then find $X \cap Y$ ··· ··· ··· ···
127	$39 \frac{2}{5} - 7.25 =$ ····················· $\simeq$ ····················· (to the nearest unit)
128	Arrange the following fractions descendingly : $\frac{1}{2}$, 0.8 , $\frac{1}{4}$ and 0.3 the order is ·················· , ·················· , ·················· and ·············
129	Arrange the following fractions in an ascending order : 0.6 , $\frac{2}{5}$, 0.8 , $\frac{3}{4}$ the order is ·················· , ·················· , ·················· and ·············
130	Arrange in an ascending order : 1.2 , 0.75 , $\frac{1}{10}$ and 0.5 the order is ·················· , ·················· , ·················· and ··················
131	arrange in descending order :- 4.5 , $4\frac{1}{4}$, $5\frac{3}{4}$ and $5\frac{1}{2}$ the order is ·················· , ·················· , ·················· and ··················

❷ choose the correct answer :

1	The number of subsets of the set $\{55\}$ is	(1 , 2 , 3 , 4)
2	$7 \in \{2 , 3 , x - 1\}$, then $x = $	(7 , 6 , 8 , 3)
3	$if \ \{2 , 7\} = \{x + 3 , 2\} , then \ x = $	(4 , 5 , 7)
4	The length of longest chord in the circle = ...	($\frac{1}{2}$r , r , 2 r)
5	If M is a circle whose diameter length is 8 cm. where A is a point and MA = 6 cm. , then the point A is located .... the circle (inside , outside , on , on the center)	
6	The reciprocal of $3\frac{1}{2}$ is	($\frac{7}{2}$, $\frac{2}{7}$, $3\frac{2}{1}$, 8)
7	1.2 kg = ... gm.	(12 , 120 , 1200 , 0.012)
8	The triangle whose measure of their angles are 50°, 90° and 40° is .... angled triangle (acute , right , obtuse)	
9	$4\frac{1}{8} \times 2\frac{2}{3} = $	(1 , 10 , 11 , 111)
10	71.5 ÷ .... = 0.715	(10 , 100 , 1000 , 10000)
11	$\{7 , 5\} - \{2 , 5 , 7\} = $	(∅ , $\{2\}$, $\{5 , 7\}$, $\{2 , 7 , 5\}$)
12	if : $\{7 , 8\} - \{8 , x\} = \emptyset$, then $x = $	(2 , 5 , 3 , 7)
13	$9.72 \div 0.9 = $	(1.8 , 1.08 , 10.8 , 108)
14	$54.523 \simeq 54.5$ to the nearest	(10 , unit , $\frac{1}{10}$, 0.01)
15	Set of odd numbers are	(finite , infinite , empty)
16	If $8 \in \{3 , 5 , 2x\}$, then $x = $	(8 , 4 , 5 , 6)
17	255 ÷ 25 = 2.55 ÷	(2.5 , 0.25 , 25 , 2500)
18	2.125 ÷ 0.25 = ... ÷ 25	(212.5 , 21.25 , 2125 , 21250)
19	If $\frac{2}{23} < \frac{x}{23} < \frac{4}{23}$, then $x = $	(3 , 4 , 5 , 6)
20	The set of digits of the number 35 .... $\{3 , 35 , 53\}$	($\notin$ or $\in$ or $\subset$ or $\not\subset$)
21	$40 \ kg. = $ .... $ton.$	(40000 , 0.4 , 4000 , 0.04)
22	$\{0\}$ .... $\emptyset$	($\notin$ or $\in$ or $\subset$ or $\not\subset$)
23	The smallest number of the following numbers is .... (0.111 , 0.12 , 0.123 , 1.0123)	
24	$\{m\}$ .... $\{maths\}$	($\notin$ or $\in$ or $\subset$ or $\not\subset$)
25	$\frac{3}{5} \times 1.6 > 1.6 \times$	(0.6 , 1.6 , $\frac{5}{3}$, 0.3)

26	If $a \in X$, then a .... $X^{\setminus}$.	($\notin$ or $\in$ or $\subset$ or $\not\subset$)
27	3 .... The set of digits of the number 2735	($\notin$ or $\in$ or $\subset$ or $\not\subset$)
28	12 .... $\{0, 2, 4, 6, ...\}$	($\notin$ or $\in$ or $\subset$ or $\not\subset$)
29	If $X = \{1, 2, 3\} \cap \{2, 4, 6\}$, then 3 X	($\notin$ or $\in$ or $\subset$ or $\not\subset$)
30	If $8 \in \{3, 5, 4x\}$, then $x =$	(2 , 3 , 4 , 5)
31	If $U = \{1, 2, 3, 4, 5\}$, $A = \{4, 5\}$, then $A^{\setminus} =$ .... ($\{1, 2, 3\}$, $\{2, 3, 4\}$, $\{3, 4, 5\}$, $\{4, 5\}$)	
32	$\{2, 3\} \cap \{32\}$ .... $\{2, 3, 32\}$	($\notin$ or $\in$ or $\subset$ or $\not\subset$)
33	$\frac{21}{7}$ .... $\{1, 3, 5, 7\}$	($\notin$ or $\in$ or $\subset$ or $\not\subset$)
34	If the radius of a circle = 8 cm , then the length of longest chord = ... cm. (8 , 4 , 16 , otherwise)	
35	$\frac{1}{25} \times 50 \times 0.25 =$ .... (4 , $\frac{1}{4}$, $\frac{1}{2}$, 2)	
36	A class has 40 pupils . 25 of them are boys and the reminder are girls if a pupil is chosen randomly , then the probability that the chosen pupil is a girl = ... ($\frac{3}{8}$, $\frac{5}{8}$, $\frac{3}{5}$, 1)	
37	When tossing a coin once , then the probability of the appearance of a tail = ... (zero , 1 , $\frac{1}{2}$, 2)	
38	If $X = \{3, 4, 5\}$, $Y = \{2, 3, 4\}$, then 5 .... $X - Y$	($\notin$ or $\in$ or $\subset$ or $\not\subset$)
39	The radius length of a circle equals .... The diameter length (twice , half , double , $\frac{1}{3}$)	
40	$46.762 \simeq$ .... to the nearest hundredth	(46.762 , 46.8 , 47 , 46.76)
41	A square of side length = 3.5 cm. , then its area = ... cm^2 (14 , 122.5 , 12.25 , 7)	
42	$3 \notin \{x, x - 1, x + 1\}$ then $x =$	(2 , 3 , 4 , 1)
43	7 .... *set of days of the week*	($\notin$ or $\in$ or $\subset$ or $\not\subset$)
44	$45.45 \div 4.5 =$	(1.1 , 10.1 , 1.01 , 0.101)
45	$\frac{5}{6} \div 1\frac{1}{6} =$	($\frac{5}{7}$, $\frac{2}{6}$, $\frac{3}{7}$, $\frac{7}{5}$)
46	If the probability of a pupil succeed in an exam is $\frac{8}{10}$, then the probability of his fail = ... ($\frac{1}{2}$, $\frac{1}{5}$, $\frac{1}{4}$, $\frac{2}{9}$)	
47	5 .... $\{8, 6\} \cap \{3, 6, 1, 5\}$	($\notin$ or $\in$ or $\subset$ or $\not\subset$)

48	if $\frac{2}{3} = \frac{16}{C}$, then the value of $C =$	(2 , 3 , 12 , 24)
49	The set $\{1 , 2 , 3 , 4 , ...\}$ is .... set	(a finite , an infinite , an empty)
50	$\{2 , 1\}$ .... The set of prime number	($\not\in$ or $\in$ or $\subset$ or $\not\subset$)
51	$X \cap Y = \emptyset$, then the two sets X and Y are .... Sets (infinite , empty , finite , disjoint)	
52	The smallest number from the following is .... (0.111 , 0.12 , 0.123 , 1.02)	
53	$\frac{1}{8} \simeq$ .... (to the nearest $\frac{1}{100}$)	(0.12 , 0.13 , 0.1)
54	$12.3 \times$ .... $= 1230$	(100 , 10 , 1000 , 10000)
55	The smallest fraction from the following is	($\frac{1}{3}$, $\frac{2}{5}$, $\frac{5}{8}$, $\frac{2}{9}$)
56	$\{0 , 2 , 4 , 6 , ... , 100\}$ is .... Set	(a finite , an infinite , an empty)
57	$1.25 \times 0.24 =$	(0.03 , 0.3 , 3 , 3000)
58	$11664 \div 216 =$	(68 , 62 , 58 , 54)
59	$\{1 , 7\}$ .... $\{0 , 1 , 2 , 3 , 4 , ...\}$	($\not\in$ or $\in$ or $\subset$ or $\not\subset$)
60	$\frac{2}{3} \div$ .... $= 1$	($\frac{2}{3}$, $\frac{3}{2}$, 1 , $\frac{5}{6}$)
61	The radius length of a circle equals .... The diameter length ($twice$, $half$, $double$, $\frac{1}{3}$)	
62	$46.762 \simeq$ .... (to the nearest hundredth) (46.762 , 46.8 , 47 , 46.76)	
63	A square of side length $= 3.5$ cm. , then its area $=$ .... cm^2 (14 , 122.5 , 12.25 , 7)	
64	The triangle whose measure of their angles are $50°$, $70°$ and $50°$ is .... angled triangle (acute , right , obtuse)	
65	if r is radius circle , then the diameter of the circle $=$ .... ($2r$, r , $\frac{1}{2}r$, $4r$)	
66	8.657 $meters \simeq$ .... Cm	(9 , 86.57 , 865.7 , 866)
67	The set of even numbers between 4 and 38 , then its type is .... (finite , empty , infinite)	
68	In $\triangle ABC$, ... is the corresponding. base to the altitude $\overline{BD}$ ($\overline{AB}$ or $\overline{BC}$ or $\overline{AC}$ or $\overline{DC}$)	

69	The set of prime numbers more than 30 is .... Set
	(a finite , an infinite , an empty)

70	The corresponding base of the altitude $\overline{AD}$ is ....
	($\overline{AB}$ or $\overline{BC}$ or $\overline{CA}$ or $\overline{BE}$)

71	If $X - Y = X$, then $X \cap Y = $	(X , Y , U , Ø)
72	$(A \cap B)$ .... A	($\not\subseteq$ or $\in$ or $\subset$ or $\not\subset$)
73	$X - X = $	({0} , zero , Ø , {1})
74	If $Y \subset X$, then $Y - X = $	(X , Y , Ø , zero)
75	If A , B are disjoint , then $A - B = $	(A , B , U , Ø)
76	{2 , 1 , 4 , 8 , 16} ∩ the set of factors of number 8 = ...	
		({2 , 4} , {1 , 2 , 4 , 8} , {1 , 8} , Ø)
77	Three altitudes of a triangle intersect at .... Point	(0 , 1 , 2)
78	$U - X = $	(X or Ø or $\grave{X}$ or U)
79	$U - \grave{X} = $	(X or Ø or X or U)
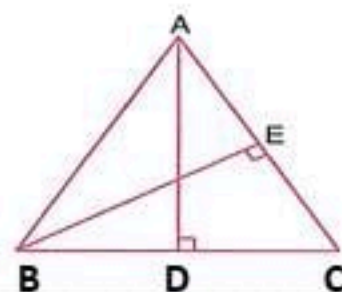
3 *Put* $>$, $<$ *or* $=$:

1	$\frac{5}{7}$ .... $\frac{3}{8}$	2	$\frac{5}{8}$ 0.5734
3	2.7 .... $2\frac{7}{9}$	4	$4.6 \div 4.6$ 0.1
5	0.472×100 .... 4.72×10	6	2 .... $\frac{9}{4}$
7	0.312×100 .... $312 \div 100$	8	$\frac{3}{5}$ 0.06
9	$2\frac{1}{4}$ .... $\frac{7}{3}$	10	$\frac{6}{5}$ .... $\frac{103}{196}$
11	172×0.003 .... 0.172×0.3	12	$4\frac{1}{3}$ 4.3
13	0.23×1.9 .... 0.019×23	14	55.241×100 .... 522.41×10
15	10 halves .... 20 quarters	16	20 fifths .... 10 halves

❹ Word problems

1	A building consist of 4 floors .If the height of each floor is 3.05 meter. , find the height of the building ....
2	If $L.E$ 2576 is distributed equally among some poor people and each of them took L.E 112 , find the number of poor people The number of poor people = ...
3	An owner of packing food factory wanted to divide 5904 kg of sugar equally in 492 packs , What's the weight of each pack ? ....
4	A man bought a TV set for $L.E$ 2000 , he paid $L.E$ 440 of its cost and paid the reminder on monthly installments , each of them is equal to $L.E$ 32.5 , find the number of installments ....
5	The price of one meter of cloth is 16.55 pounds , find the cost of 2.7 meters of the cloth to the nearest pound ....
6	*Draw the triangle ABC* in which $AB = AC = 3\ cm., BC = 4\ cm.$, then *draw* the altitude $A\ D$ on $B\ C$
7	*Draw the triangle ABC where* : $AB = 4\ cm., \ BC = 6\ cm., \ CA = 8\ cm.,$ then *draw* circle its center B and its radius length 4 cm.
8	*Draw* the equilateral triangle ABC whose side length $= 6\ cm.$, then a) Draw $A\ D \perp B\ C$ b) *Calculate the perimeter of* ΔABC c) $m(\angle CAD)$
9	*Draw a circle M* . Its radius length is 2.5 cm , then draw the diameter $\overline{A\ B}$ and the *chord AC* whose length is 3 $cm.$ and find the length of BC

Choose the correct answer

****

(1) The triangle whose measures of its angles are 50° , 90° and 40°

is ············· (a acute-angled triangle   *or*   an obtuse-angled triangle

or   a right-angled triangle   *or*   otherwise)

(2) $4\frac{1}{8} \times 2\frac{2}{3} =$ ············· (1   *or*   10   *or*   11   *or*   111)

(3) If $\{7 , 10\} \subset \{10 , x + 4\}$, then $x =$ ·············

(3   *or*   4   *or*   5   *or*   6)

(4) $3.75 \times 1\,000 =$ ············· (0.375   *or*   0.0375   *or*   3750   *or*   37.5)

(5) $\frac{1}{2}$ ☐ $\frac{1}{3}$ (<   *or*   >   *or*   =   *or*   ≤)

(6) The shaded part is ·············

(X ∩ Y   *or*   X ∪ Y   *or*   X − Y   *or*   X ⊂ Y)

(7) 55.241×100 ☐ 522.41×10 (<   *or*   >   *or*   =   *or*   ≤)

(8) $\frac{2}{3} \times$ ············· $= 1$ (1   *or*   2   *or*   3   *or* $\frac{3}{2}$)

(9) 43 day ≃ ············· (to the nearest week)   (4   *or*   6   *or*   5   *or*   7)

(10) Any chord passing through the centre of a circle is called ·············

(a diameter   *or*   a radius   *or*   a side   *or*   otherwise)

(11) $\{52\}$ ············· $\{5 , 2\}$ (∈   *or*   ∉   *or*   ⊂   *or*   ⊄)

(12) $12.3 \times$ ············· $= 1230$ (10   *or*   100   *or*   1000   *or*   10000)

(13) $Y = \{2 , 4 , 6\} \cap \{1 , 2 , 3\}$, then 6 ············· Y

(∈   *or*   ∉   *or*   ⊂   *or*   ⊄)

(14) $\frac{5}{8}$ ☐ 0.5734 (<   *or*   >   *or*   =   *or*   ≤)

****

(1) 3.36 km. = ·············· m.   (3.36 *or* 33.6 *or* 336 *or* 3360)

(2) $9 \frac{3}{25} \simeq$ ·············· (to the nearest tenth)

(0.9 *or* 9.2 *or* 9.1 *or* 9)

(3) $\frac{5}{6} \div 1\frac{1}{6} =$ ··············   ($\frac{5}{7}$ *or* $\frac{2}{6}$ *or* $\frac{3}{7}$ *or* $\frac{7}{6}$)

(4) 0.312×100 ☐ $312 \div 100$ (> *or* < *or* = *or* ≤)

(5) The smallest number from the following is ··············

(0.111 *or* 0.12 *or* 0.123 *or* 1.023)

(6) 10×4.72 ☐ 100×0.472 (< *or* > *or* = *or* otherwise)

(7) $\frac{3}{5} \times 1.6 > 1.6 \times$ ··············   (0.6 *or* 1.6 *or* $\frac{5}{3}$ *or* 0.3)

(8) The shaded part represents ··············
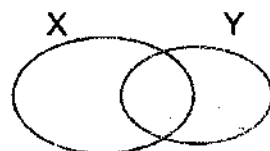
(X∩Y *or* X∪Y *or* X−Y *or* Y−X)

(9) If $Y = \{2 , 3 , 5\} \cap \{1 , 3 , 5\}$, then $\{1 , 2\}$ ·············· Y

(⊂ *or* ⊄ *or* ∈ *or* ∉)

(10) **In the opposite figure :**

.MN = ·············· cm.
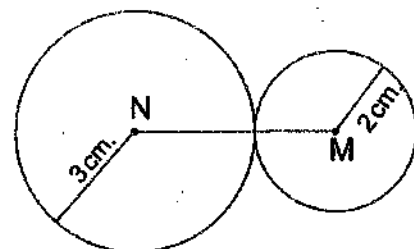
(2 *or* 3 *or* 6 *or* 5)

(11) The length of the diameter of any circle ☐ the length of any chord
in it does not passing through the centre

(> *or* < *or* = *or* ≤)

(12) $\{0\}$ ·············· $\{1 , 2 , 5 , 8\}$ (⊂ *or* ⊄ *or* ∈ *or* ∉)

(13) The number $736.592 \simeq 736.59$ to the nearest ··············

(tenth *or* hundredth *or* thousandth)

(14) If $\frac{2}{3} = \frac{16}{C}$, then the value of C = ·············· (2 *or* 3 *or* 12 *or* 24)

****

(1) 22.22 ÷ 2 = ············· (11.11 *or* 10.01 *or* 22.22 *or* 1.111)

(2) {2 , 3 , 6 , 12} ∩ the set of factors of the number 6 = ·············

($\{2 , 3 , 12 , 6\}$ *or* $\{3 , 6\}$ *or* $\{4 , 6\}$ *or* $\{2 , 3 , 6\}$)

(3) $1\frac{1}{2} \div \frac{1}{4}$ = ············· (2 *or* 6 *or* 12 *or* $\frac{3}{8}$)

(4) If the probability of pupil's success is $\frac{8}{10}$, then the probability of his failure is ············· ($\frac{1}{8}$ *or* $\frac{3}{10}$ *or* $\frac{1}{5}$ *or* 1)

(5) 8.25 ÷ 8 ≃ ············· (to the nearest tenth)

(101 *or* 1 *or* 1.01 *or* 10.1)

(6) The longest chord in a circle is called a ·············

(chord *or* radius *or* tangent *or* diameter)

(7) 5 hours + 29 minutes + 60 seconds = ············· hours.

(5 *or* 5.3 *or* $5\frac{1}{2}$ *or* 6)

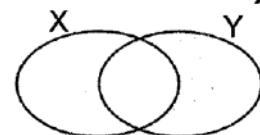(8) If $\{7 , 10\} \subset \{10 , x + 3\}$, then x = ············· (3 *or* 4 *or* 5 *or* 10)

(9) The smallest fraction in the following is ·············

($\frac{1}{3}$ *or* $\frac{5}{8}$ *or* $\frac{2}{9}$ *or* $\frac{2}{5}$)

(10) $\frac{1}{25} \times 50 \times 0.25$ = ············· (4 *or* $\frac{1}{4}$ *or* $\frac{1}{2}$ *or* 2)

(11) $\frac{2}{3} \times$ ············· = 1 (1 *or* $\frac{1}{2}$ *or* 3 *or* $\frac{3}{2}$)

(12) In any triangle , the number of its altitudes = ·············

(1 *or* 2 *or* 3 *or* 4)

(13) The shaded part represents ·············

($X \cap Y$ *or* $X \cup Y$ *or* $X - Y$ *or* $Y - X$)

(14) 10 × 4.72 ☐ 100 × 0.472 (< *or* > *or* =)

****

(1) 71.5 ÷ ············· = 0.715 (10 *or* 100 *or* 1000 *or* 10000)

(2) If $9 \in \{3 , 5 , x\}$, then x = ············· (3 *or* 5 *or* 7 *or* 9)

(3) The number of altitudes of any triangle = ·············

(1 *or* 2 *or* 3 *or* 4)

(4) 2600 gm. ≃ ············· kg. (to the nearest kg.) (2 *or* 3 *or* 4 *or* 6)

(5) $2\frac{4}{5}$ ☐ 2.16 (> *or* < *or* = *or* ≤)

(6) If X = {1 , 2} and Y = {5} , then X ∪ Y = ·············

($\{1 , 2 , 5\}$ *or* $\{1 , 5\}$ *or* ∅ *or* $\{2\}$)

(7) 55 ············· {5 , 505} (∈ *or* ∉ *or* ⊂ *or* ⊄)
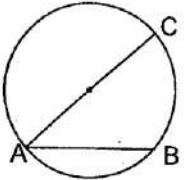
(1) $5.037 \simeq$ .... $\left(\text{to the nearest } \frac{1}{100}\right)$ (5 *or* 5.0 *or* 5.03 *or* 5.04)

(2) $\emptyset$ ———— $\{2 , 4 , 6\}$ ($\in$ *or* $\notin$ *or* $\subset$ *or* $\not\subset$)

(3) $1.8 \times 5 =$ ············ (9 *or* 9.5 *or* 1.85 *or* 18.5)

(4) $98.7 \times 100 =$ ············ (9.87 *or* 987 *or* 9870 *or* 0.987)

(5) If $X \subset Y$, then $X \cap Y =$ ············ (X *or* Y *or* $\emptyset$ *or* X – Y)

(6) , $\overline{AB}$ is called ············

(radius *or* diameter *or* chord *or* circle)

(7) $54.523 \simeq 54.5$ (to the nearest ············)

$\left(\frac{1}{1000} \text{ or } \frac{1}{10} \text{ or } \frac{1}{100} \text{ or } \frac{1}{10000}\right)$

****

(1) $674.8 \div$ ············ $= 67.48$ (100 *or* 10 *or* 1000 *or* 10000)

(2) If $7 \in \{2 , 3 , x - 1\}$, then $x =$ ············ (7 *or* 6 *or* 8 *or* 3)

(3) $3.43 \simeq 3.4$ is approximated to the nearest ············

(ten *or* unit *or* 0.01 *or* $\frac{1}{10}$)

(4) The radius length of a circle equals ············ the diameter length.

(twice *or* half *or* double *or* $\frac{1}{3}$)

(5) $97.2 \div 9 =$ ············ (1.8 *or* 1.08 *or* 10.8 *or* 108)

(6) The altitudes of the triangle intersect at ············ point(s).

(1 *or* 2 *or* 3 *or* 4)

(7) 1.2 kg. = ············ gm. (12 *or* 120 *or* 1200 *or* 0.012)

(8) If $\frac{2}{23} < \frac{x}{23} < \frac{4}{23}$, then $x =$ ············ (3 *or* 4 *or* 5 *or* 6)

(9) $\{5 , 7 , 9\} \cup \{3 , 4 , 5\} =$ ············

($\{7 , 9\}$ *or* $\{5\}$ *or* $\{3\}$ *or* $\{3 , 4 , 5 , 7 , 9\}$)

(10) $4\frac{1}{2} \times$ ············ $= 1$ ($\frac{1}{2}$ *or* $\frac{9}{2}$ *or* 2 *or* $\frac{2}{9}$)

(11) If $\{3 , 5\} = \{x , 3\}$, then $x =$ ············ (3 *or* 5 *or* 2 *or* 4)

(12) $\frac{1}{2} \div \frac{1}{12} =$ .... ($\frac{1}{24}$ *or* 24 *or* 12 *or* 6)

(13) $\{9 , 11 , 13\} - \{3 , 11 , 14\} =$ ············

($\{5 , 2\}$ *or* $\{3\}$ *or* $\{11\}$ *or* $\{9 , 13\}$)

(14) $\frac{21}{7}$ ············ $\{1 , 3 , 5 , 7\}$ ($\in$ *or* $\notin$ *or* $\not\subset$ *or* $\subset$)

****

(1) If $4 \in \{1, 2, 2x\}$, then $x =$ .... (2 or 3 or 4 or 5)

(2) $\{7, 8\}$ .... $\{5, 7, 10\}$ ($\in$ or $\subset$ or $\notin$ or $\not\subset$)

(3) In any triangle, the number of its altitudes = ...

(1 or 2 or 3 or 4)

(4) Any chord passing through the centre of a circle is called ....

(diameter or radius or chord or otherwise)

(5) $\{32\}$ .... $\{3, 2\}$ ($\in$ or $\subset$ or $\notin$ or $\not\subset$)

(6) $2\frac{1}{3} \div \frac{5}{3} =$ .... ($\frac{7}{5}$ or $\frac{5}{7}$ or $\frac{3}{7}$ or $\frac{5}{2}$)

(7) $9\frac{3}{25} \simeq$ .... (to the nearest tenth) (0.9 or 9.2 or 9.11 or 9.1)

(8) $\{2, 3, 6, 12\} \cap$ the set of factors of the number 6 = ...

($\{3, 6\}$ or $\{4, 6\}$ or $\{2, 3, 6\}$ or $\{2, 3, 6, 12\}$)

(9) $4\frac{1}{8} \times 2\frac{2}{3} =$ .... (1 or 10 or 11 or 111)

(10) $\frac{5}{8}$ ☐ 0.5734 (> or = or < or $\leq$)

(11) 0.472×100 ☐ 4.72×10 (> or = or < or otherwise)

(12) $(2\frac{1}{4} + \frac{3}{4}) \div \frac{3}{7} =$ .... (2 or 5 or 7 or 20)

****

(1) $3.75 \times 100 =$ .... (0.375 or 375 or 3705 or 0.0375)

(2) If $7 \in \{6, x + 1\}$, then $x =$ .... (6 or 7 or 8 or 5)

(3) Number of altitudes of the right-angled triangle is ....

(0 or 1 or 2 or 3)

(4) $\{1, 3\} \cap \{2, 3\} =$ .... ($\emptyset$ or $\{3\}$ or $\{1\}$ or $\{1, 2, 3\}$)

(5) 52 days $\simeq$ .... weeks. (6 or 8 or 7 or 5)

(6) If $X \subset Y$, then $X \cap Y =$ .... (X or Y or $\emptyset$ or $\acute{X}$)

(7) $625 \div 25 = 6.25 \div$ .... (2.5 or 0.25 or 25 or 250)

(8) $\frac{1}{3} \div \frac{2}{7} =$ .... ($1\frac{1}{6}$ or $\frac{6}{7}$ or $\frac{2}{21}$ or $\frac{13}{21}$)

(9) $\{7\}$ .... $\{3, 5, 7\}$ ($\in$ or $\notin$ or $\subset$ or $\not\subset$)

(10) 40 gm. = ... kg. (40000 or 0.4 or 4000 or 0.04)

(11) If $\frac{a}{8} = \frac{15}{24}$, then $a =$ .... (9 or 5 or 3 or 10)

(12) Number of subsets of the set A = $\{3, 5\}$ is ....

(4 or 3 or 2 or 1)

(13) The triangle whose measures of its angles are (20°, 100°, 60°) is called .... triangle.

(acute-angled or right angled or obtuse-angled or isosceles)

(14) If $\frac{5}{7} < \frac{x}{7} < 1$, then $x =$ .... (4 or 5 or 6 or 7)
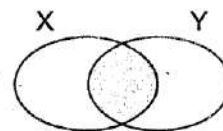
(1) 3.36 km. = ... m.   (3.306 *or* 33.6 *or* 336 *or* 3360)

(2) 52.241 × 100 = ...

(522.41 *or* 52241 *or* 5224.1 *or* 522410)

(3) {52} .... {5 , 2}   (∈ *or* ∉ *or* ⊂ *or* ⊄)

(4) $\frac{5}{8}$ ☐ 0.5734   (< *or* > *or* = *or* otherwise)

(5) The shaded part ....

(X∩Y *or* X∪Y *or* X−Y *or* X⊂Y)

(6) A circle , its radius length = 1 cm. , then its diameter length = ... cm.

(1 *or* 2 *or* 3 *or* 4)

(7) $\frac{1}{3} \times \frac{3}{4}$ = ...   ($\frac{1}{3}$ *or* $\frac{1}{2}$ *or* $\frac{1}{4}$ *or* $\frac{4}{12}$)

(8) If 3 ∈ {x + 1 , 5} , then x = ...   (1 *or* 2 *or* 3 *or* 4)

(9) $\frac{4}{12} \div \frac{6}{12}$ = ...   ($\frac{2}{3}$ *or* $\frac{4}{3}$ *or* $\frac{1}{12}$ *or* $\frac{4}{12}$)

(10) {1 , 3 , 4} − {3 , 4} = ...   ({1} *or* {3} *or* {4} *or* {3 , 4})

(11) If a ∈ X , then a .... X̀   (∈ *or* ∉ *or* ⊂ *or* ⊄)

(12) The right-angled triangle has .... altitudes.   (1 *or* 2 *or* 3 *or* 4)

(13) If $\frac{2}{3} = \frac{a}{12}$, then a = ...   (3 *or* 4 *or* 8 *or* 12)

(14) 46.762 ≃ .... (to the nearest hundredth)

(46.762 *or* 46.8 *or* 47 *or* 46.76)

****

(1) $9\frac{3}{25}$ ≃ .... (to the nearest tenth)   (0.9 *or* 9.2 *or* 9.1 *or* 9)

(2) $1\frac{1}{8} \div 1\frac{1}{8}$ = ...   (1 *or* 10 *or* 11 *or* 111)

(3) $\frac{2}{3} \times$ .... = 1   (1 *or* 2 *or* 3 *or* $\frac{3}{2}$)

(4) $\frac{5}{8}$ ☐ 0.5734   (> *or* < *or* = *or* ≤)

(5) 43 days ≃ .... weeks (to the nearest week) (4 *or* 5 *or* 6 *or* 7)

(6) 4.6 ÷ 4.6 ☐ 0.1   (> *or* < *or* ≤ *or* =)

(7) The smallest number of the following numbers is ....

(0.111 *or* 0.12 *or* 0.123 *or* 1.0123)

(8) If 4 ∈ {3 , 5 , x} , then x = ...   (3 *or* 4 *or* 5 *or* 6)

(9) The suitable symbol represents the shaded part in the shape is ⋯⋯⋯⋯
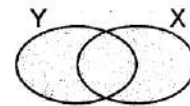
(X ∩ Y   or   X ∪ Y   or   Y ⊂ X   or   X ⊂ Y)

(10) {50} ⋯⋯⋯⋯ {2 , 5}   (∈   or   ∉   or   ⊂   or   ⊄)

(11) In the opposite figure :
    Y ∩ X = ⋯⋯⋯⋯
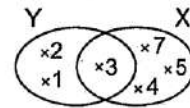
({7 , 5 , 4}   or   {1 , 2}   or   {3}   or   {1 , 2 , 3})

(12) If X is the set of odd numbers , then 36 ⋯⋯⋯⋯ X

(∈   or   ∉   or   ⊂   or   ⊄)

(13) The number of altitudes of an acute-angled triangle is ⋯⋯⋯⋯

(1   or   2   or   3   or   4)

(14) The triangle whose measures of its angles are (50° , 90° , 40°) is called ⋯⋯⋯⋯ triangle.

(an acute-angled   or   an obtuse-angled   or   a right-angled   or   otherwise)

****

(1) 32.5 ÷ 100 = ⋯⋯⋯⋯   (0.32   or   0.325   or   3250   or   325.2)

(2) 5.035 ≃ ⋯⋯⋯⋯ (to the nearest hundredth)

(5.03   or   500   or   5.04   or   5.3)

(3) If X ⊂ Y , then X ∩ Y = ⋯⋯⋯⋯   (X   or   Y   or   U   or   X́)

(4) 327.5 × 100 = ⋯⋯⋯⋯   (3276   or   32750   or   3.275   or   327500)

(5) ∅ ⋯⋯⋯⋯ {6 , 8}   (∈   or   ∉   or   ⊂   or   ⊄)

(6) $\frac{1}{2}$ ☐ $\frac{1}{3}$ (<   or   =   or   >   or   ≤)

(7) The altitudes of the obtuse-angled triangle intersect at one point ⋯⋯⋯⋯ the triangle.   (inside   or   on   or   outside)

(8) 0.4 × 0.2 = ⋯⋯⋯⋯   (8.00   or   0.08   or   0.8   or   0.042)

(9) $\frac{2}{5}$ ÷ $\frac{1}{4}$ = ⋯⋯⋯⋯   ($\frac{5}{8}$ or $\frac{6}{5}$ or $\frac{8}{5}$ or $\frac{2}{3}$)

(10) 6 ⋯⋯⋯⋯ {7 , 6 , 8}   (∈   or   ∉   or   ⊂   or   ⊄)

(11) The length of the longest chord is 6 cm. , then the length of the radius of the circle = ⋯⋯⋯⋯ cm.   (6   or   12   or   4.5   or   3)

(12) The set {1 , 3 , 5 , ...} is ⋯⋯⋯⋯ set.

(a finite   or   an infinite   or   an empty)

(13) 37440 ÷ 234 = ⋯⋯⋯⋯   (16   or   106   or   160   or   1600)

(14) $\frac{4}{5}$ × $\frac{1}{3}$ = ⋯⋯⋯⋯   ($\frac{1}{2}$ or $\frac{12}{5}$ or $\frac{4}{15}$ or $\frac{5}{8}$)

(1) $3.75 \times 100 = \cdots\cdots\cdots$ (0.375 or 37.5 or 375 or 0.0375)

(2) $\frac{1}{2}$ ☐ 0.3   (> or < or =)

(3) If $\frac{1}{2} = \frac{x}{8}$, then $x = \cdots\cdots\cdots$ (1 or 3 or 4 or 5)

(4) $1\frac{2}{3} \times 1\frac{1}{5} = \cdots\cdots\cdots$ ($2\frac{3}{8}$ or 2 or $1\frac{7}{18}$ or $\frac{13}{15}$)

(5) $31.294 \simeq 31.3$ (to the nearest $\cdots\cdots\cdots$)

          (tenth or hundredth or thousandth or unit)

(6) The smallest prime number is $\cdots\cdots\cdots$ (1 or 2 or 3 or 0)

(7) $\frac{2}{5} \div \frac{7}{5} = \cdots\cdots\cdots$ ($\frac{14}{25}$ or $\frac{2}{7}$ or $\frac{7}{2}$ or 2)

(8) If $X \subset Y$, then $X \cap Y = \cdots\cdots\cdots$ (X or Y or $\emptyset$)

(9) $\emptyset \cdots\cdots\cdots \{2 , 6 , 1 , 5\}$ ($\in$ or $\notin$ or $\subset$ or $\not\subset$)

(10) The set of odd numbers is $\cdots\cdots\cdots$ set.

          (a finite or an empty or an infinite or equal)

(11) If $\{5 , 7\} \subset \{x + 2 , 5\}$, then $x = \cdots\cdots\cdots$ (2 or 5 or 7 or 3)

(12) $9 \cdots\cdots\cdots \{19 , 9\}$ ($\in$ or $\notin$ or $\subset$ or $\not\subset$)

(13) If the length of the longest chord in a circle is 13 cm. , then the length of
    any radius = $\cdots\cdots\cdots$ cm.   (26 or 6 or 6.5 or 11)

(14) The altitudes of the acute-angled triangle intersect at one point $\cdots\cdots\cdots$
    the triangle.   (inside or outside or at the vertex of right angle)
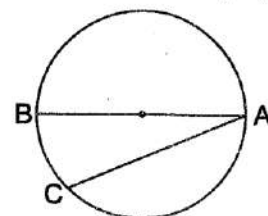
****

(1) $\{5 , 2\} \cdots\cdots\cdots \{52\}$ ($\in$ or $\notin$ or $\subset$ or $\not\subset$)

(2) $28.61 \times \cdots\cdots\cdots = 28610$ (10 or 100 or 1000 or 10000)

(3) $\frac{1}{2} \div \frac{9}{4} = \cdots\cdots\cdots$ (in the simplest form)   ($\frac{9}{8}$ or $\frac{9}{2}$ or $\frac{2}{9}$ or 1)

(4) $\emptyset \cdots\cdots\cdots \{0\}$ ($\in$ or $\notin$ or $\subset$ or $\not\subset$)

(5) **In the opposite figure :**
    $\overline{AC}$ is called $\cdots\cdots\cdots$

          (radius or diameter or centre or chord)

(6) $4812 \div 1000$ ☐ 0.4812×100 (< or > or = or $\geq$)

(7) $42.395 + 53.31 \simeq \cdots\cdots\cdots$ $\left(\text{to the nearest } \frac{1}{100}\right)$

          (95.705 or 95.70 or 95.71 or 95.72)

(8) If $5 \in \{x + 3 , 7\}$, then $x = \cdots\cdots\cdots$ (2 or 3 or 4 or 5)
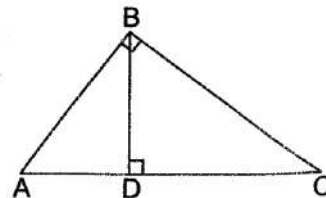
(9) $25.25 \div 0.25 = \cdots\cdots\cdots$ (10.1 or 11 or 1.01 or 101)

(10) In the opposite figure :

ABC is right-angled triangle at B

The point of intersection of its altitudes is ············

(A or B or C or D)

(11) 23 ············ the set of prime numbers. ($\in$ or $\notin$ or $\subset$ or $\not\subset$)

(12) $\frac{5}{9} \times \frac{9}{25}$ = ············ ($\frac{5}{3}$ or $\frac{3}{5}$ or $\frac{1}{5}$ or $\frac{45}{25}$)

(13) If $X \subset Y$, then $X \cap Y$ = ············ (X or Y or $\varnothing$ or $\overset{\curvearrowright}{Y}$)

(14) 5675 grams $\simeq$ ············ kilograms. (5 or 6 or 56 or 57)

****

(1) 736.592 $\simeq$ 736.59 (to the nearest ············)

(unit or tenth or hundredth or thousandth)

(2) 3.002 kilograms = ············ grams.

(30.02 or 300.2 or 3002 or 0.3002)

(3) If $\frac{2}{5} = \frac{a}{15}$, then a = ············ (5 or 6 or 8 or 10)

(4) A circle , its radius length = 1 cm. , then its diameter length = ············ cm.

(1 or 2 or 3 or 4)

(5) $\frac{3}{8}$ ☐ 0.5 (< or > or = or $\geq$)

(6) {2} $\cup$ {4} = ············ (24 or $\varnothing$ or {2 ,4} or 6)

(7) 1.7 $\div$ 10 = ············ (17 or 0.17 or 170 or 0.017)

(8) The number of altitudes in any triangle = ············

(1 or 2 or 3 or 4)

(9) 37.4289 − 14.081 $\simeq$ ············ (to the nearest thousandth)

(23.350 or 23.348 or 23.248 or 23.347)

(10) {52} ············ {5 ,2} ($\in$ or $\notin$ or $\subset$ or $\not\subset$)

(11) 5.45 $\div$ 0.5 = ············ (1.9 or 1.09 or 10.9 or 109)

(12) 98.7 $\times$ 100 = ············ (987 or 9870 or 0.987 or 0.0987)

(13) If 4 $\in$ {2 , x , 5} , then x = ············ (2 or 4 or 5 or 6)

(14) $\frac{2}{7} \div \frac{5}{7}$ = ············ ($\frac{7}{7}$ or $\frac{10}{7}$ or $\frac{2}{5}$ or $\frac{5}{2}$)

****

(1) 3.75 $\times$ 1000 = ············ (0.375 or 0.0375 or 3750 or 37.5)

(2) If $\frac{x}{8} = \frac{15}{24}$, then x = ············ (2 or 3 or 4 or 5)

(3) The number of altitudes in the right-angled triangle = ············

(0 or 1 or 3 or 2)
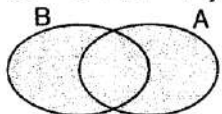
(4) $2\frac{1}{8} \div \frac{1}{8}$ = ⋯⋯⋯⋯   (17 *or* 16 *or* 8 *or* 18)

(5) If $5 \in \{7 , 9 , x , 4\}$, then x = ⋯⋯⋯⋯   (4 *or* 5 *or* 6 *or* 8)

(6) 4.2 dm. = ⋯⋯⋯⋯

(0.42 cm. *or* 420 cm. *or* 42 cm. *or* 4200 cm.)

(7) 43 days $\simeq$ ⋯⋯⋯⋯ weeks.   (4 *or* 5 *or* 6 *or* 7)

(8) The shaded part in Venn diagram represents ⋯⋯⋯⋯

($A \cap B$ *or* $A - B$ *or* $A\grave{}$ *or* $A \cup B$)

(9) 3.36 km. = ⋯⋯⋯⋯ m.   (3360 *or* 336 *or* 3630 *or* 33600)

(10) If M is a circle whose diameter length is 8 cm. where A is a point and MA = 8 cm. , then the point A is located ⋯⋯⋯⋯ the circle.

(inside *or* outside *or* on *or* on the centre)

(11) $\frac{3}{5}$ ☐ 0.06   (< *or* > *or* = *or* ≤)

(12) $9\frac{3}{25}$ = ⋯⋯⋯⋯ (to the nearest tenth) (9 *or* 9.2 *or* 9.13 *or* 9.1)

(13) $\{5 , 4\} - \{7 , 9 , 8 , 4\}$ = ⋯⋯⋯⋯

($\{5\}$ *or* $\{7 , 9 , 4\}$ *or* $\{7 , 8 , 4\}$ *or* $\{9 , 5 , 8 , 4\}$)

(14) For any set A and its complement $A\grave{}$, then $A \cup A\grave{}$ = ⋯⋯⋯⋯

(A *or* $A\grave{}$ *or* U *or* $A \cap A\grave{}$)

****

(1) 4 ⋯⋯⋯⋯ $\{5 , 4 , 32\}$ ($\in$ *or* $\notin$ *or* $\subset$ *or* $\not\subset$)

(2) 402.5 × 100 = ⋯⋯⋯⋯ (40.25 *or* 4.025 *or* 40250 *or* 4025)

(3) $\frac{1}{8} \simeq$ ⋯⋯⋯⋯ (to the nearest hundredth)

(0.125 *or* 0.12 *or* 0.13 *or* 0.1)

(4) 5.63 km. = ⋯⋯⋯⋯ m.   (5.63 *or* 5630 *or* 563 *or* 56.3)

(5) $\varnothing$ ⋯⋯⋯⋯ $\{0\}$ ($\in$ *or* $\notin$ *or* $\subset$ *or* $\not\subset$)

(6) Every triangle has ⋯⋯⋯⋯ altitudes. (1 *or* 2 *or* 3 *or* 4)

(7) If $X \subset Y$, then $X \cap Y$ = ⋯⋯⋯⋯ (U *or* X *or* Y *or* $\varnothing$)

(8) The chord which passes through the centre of a circle is called ⋯⋯⋯⋯

(diameter *or* radius *or* centre *or* side)

(9) When tossing a coin once the probability of appearing a tail = ⋯⋯⋯⋯

(1 *or* $\frac{1}{2}$ *or* $\frac{1}{3}$ *or* $\frac{1}{6}$)

(10) 255 ÷ 25 = 2.55 ÷ ⋯⋯⋯⋯ (2.5 *or* 0.25 *or* 25 *or* 2500)

(11) 40 days $\simeq$ ⋯⋯⋯⋯ weeks.   (4 *or* 6 *or* 5 *or* 7)

(12) $4\frac{1}{8} \times 2\frac{2}{3}$ = ⋯⋯⋯⋯ (1 *or* 10 *or* 11 *or* 111)

(13) If $\{5 , 7\} = \{7 , x + 3\}$, then x = ⋯⋯⋯⋯ (3 *or* 5 *or* 2 *or* 1)

(14) $\frac{1}{2}$ ☐ $\frac{1}{3}$ (< *or* > *or* =)

(1) 2586.3 ÷ 100 = ⋯⋯⋯⋯⋯

(25.863 *or* 258.63 *or* 2586.3 *or* 0.25863)

(2) 2.25 ÷ 1.5 = ⋯⋯⋯⋯⋯   (105 *or* 1.5 *or* 15 *or* 0.15)

(3) X ∩ ∅ = ⋯⋯⋯⋯⋯   (zero *or* X *or* ∅ *or* {0})

(4) The altitudes of the triangle intersect at ⋯⋯⋯⋯⋯

(one point *or* two points *or* three points *or* four points)

(5) 6.85 × 1000 = ⋯⋯⋯⋯⋯   (68.50 *or* 685 *or* 6850 *or* 685000)

(6) The probability of the impossible event = ⋯⋯⋯⋯⋯

(0 *or* 1 *or* 0.5 *or* ∅)

(7) If {4 , x + 2} = {7 , 4} , then x = ⋯⋯⋯⋯⋯ (4 *or* 5 *or* 7 *or* 9)

(8) The longest chord in the circle is called ⋯⋯⋯⋯⋯

(radius *or* centre *or* side *or* diameter)

(9) 255 ÷ 25 = 2.55 ÷ ⋯⋯⋯⋯⋯   (25 *or* 0.25 *or* 2.5 *or* 2500)

(10) 5.6 tons = ⋯⋯⋯⋯⋯ kg.   (5600 *or* 650 *or* 2.5 *or* 2500)

(11) 8 ⋯⋯⋯⋯⋯ {7 , 5 , 8}   (∈ *or* ∉ *or* ⊂ *or* ⊄)

(12) ∅ ⋯⋯⋯⋯⋯ {0 , 1 , 3}   (∈ *or* ∉ *or* ⊂ *or* ⊄)

(13) 12 ⋯⋯⋯⋯⋯ the set of days of the week.   (∈ *or* ∉ *or* ⊂ *or* ⊄)

(14) 10 halves ☐ 20 fifths.   (≤ *or* > *or* < *or* =)

****

(1) 0.23 × 1.9 ☐ 0.019 × 23   (< *or* > *or* = *or* ≠)

(2) If X ⊂ Y , then X ∪ Y = ⋯⋯⋯⋯⋯   (X *or* Y *or* U *or* ∅)

(3) 32.683 ≃ ⋯⋯⋯⋯⋯ (to the nearest 0.01)

(23.68 *or* 32.69 *or* 32.7 *or* 32.68)

(4) If {a , 3 , 5} = {b , 5 , 2} , then a + b = ⋯⋯⋯⋯⋯

(2 *or* 3 *or* 5 *or* 8)

(5) ⋯⋯⋯⋯⋯ is used for drawing a circle.

(Set square *or* Ruler *or* Compasses *or* Protractor)

(6) ⋯⋯⋯⋯⋯ is a chord passing through the centre of circle.

(Radius *or* Chord *or* Diameter *or* Centre)

(7) If A and B are disjoint sets , then A − B = ⋯⋯⋯⋯⋯

(∅ *or* A *or* B *or* U)

(8) 39 days ≃ ⋯⋯⋯⋯⋯ weeks.   (5 *or* 6 *or* 7 *or* 8)

(9) {1 , 2 , 3} ………… {1 , 2}   (∈ or ∉ or ⊂ or ⊄)

(10) The number of altitudes in the acute-angled triangle is …………

(0 or 1 or 2 or 3)

(11) 1.92 ÷ ………… = 0.0192   (10 or 100 or 1000 or 10000)

(12) $\frac{2}{3}$ × ………… = 1   ($\frac{2}{3}$ or 1 or $\frac{3}{2}$ or 2.3)

(13) 355 ÷ 18 = 3.55 ÷ …………   (1.8 or 0.18 or 18 or 1800)

(14) Á = …………   (U − A or A or B or ∅)

****

(1) 736.592 ≃ 736.59 (to the nearest …………)

(unit or tenth or hundredth or thousandth)

(2) The number of altitudes of any triangle is ………… (1 or 2 or 3 or 4)

(3) X ∩ X́ = …………   (X or X́ or U or ∅)

(4) 37.4289 − 14.081 ≃ ………… (to the nearest $\frac{1}{1000}$)

(23.349 or 23.350 or 23.348 or 23.248)

(5) 5.748 × 100 = …………   (57.48 or 0.5748 or 574.8 or 5748)

(6) 4 ………… {2 , 5}   (∈ or ∉ or ⊂ or ⊄)

(7) $\frac{4}{7}$ ☐ $\frac{5}{9}$ (< or = or >)

(8) 3.36 km. = ………… m.   (3.36 or 33.6 or 336 or 3360)

(9) 0.06 × 0.3 = …………   (18 or 0.018 or 0.18 or 0.09)

(10) The chord which passes through the centre of a circle is called …………

(diameter or radius or centre or side)

(11) If {4 , 8} = {1 + y , 4} , then y = …………   (3 or 4 or 6 or 7)

(12) 2.125 ÷ 0.25 = ………… ÷ 25

(212.5 or 21.25 or 2125 or 21250)

(13) The set of odd numbers is ………… set.

(a finite or an empty or an infinite)

(14) If X ⊂ Y , then X − Y = …………   (X or ∅ or Y)

****

(1) 2.45 km. = ·········· m.   (24.5 *or* 245 *or* 0.245 *or* 2450)

(2) The longest chord in a circle is called a ··········

(chord *or* diameter *or* radius *or* otherwise)

(3) $\frac{1}{4}$ = ··········   (0.2 *or* 0.5 *or* 0.25 *or* 2.5)

(4) $\frac{1}{3}$ ☐ $\frac{1}{2}$ (> *or* < *or* = *or* ≥)

(5) 36 days ≃ ·········· weeks (to the nearest week) (4 *or* 5 *or* 6 *or* 7)

(6) 57.3 × 100 = ··········   (0.573 *or* 0.0573 *or* 5730 *or* 5.73)

(7) $2\frac{2}{3} \times 4\frac{1}{8}$ = ··········   (11 *or* 10 *or* 1.1 *or* 111)

(8) 2 ·········· the set of digits of 1325   (∈ *or* ∉ *or* ⊂ *or* ⊄)

(9) If 8 ∈ {3 , 5 , 4 x} , then x = ··········   (2 *or* 3 *or* 4 *or* 5)

(10) If a ∈ X , then a ·········· X̀   (∈ *or* ∉ *or* ⊂ *or* ⊄)

(11) The smallest number from the following is ··········

(0.123 *or* 0.111 *or* 0.12 *or* 1.023)

(12) If {4 , 5 , 6} = {6 , 4 , x + 1} , then x = ··········

(4 *or* 5 *or* 6 *or* 3)

(13) When tossing a coin once , then the probability of appearing a head
= ··········   (0 *or* 1 *or* 2 *or* $\frac{1}{2}$)

(14) 3.36 ÷ 0.6 = ··········   (5.6 *or* 56 *or* 0.56 *or* 6.5)

****

(1) $7\frac{1}{8}$ ≃ ·········· (to the nearest tenth)   (0.7 *or* 7.2 *or* 7.1 *or* 7)

(2) If {6 , 10} ⊂ {10 , x − 4} , then x = ··········

(2 *or* 4 *or* 6 *or* 10)

(3) The shaded part
is ··········
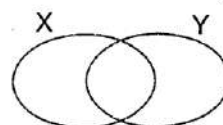
(X∩Y *or* X−Y *or* Y−X *or* Y∪X)

(4) 0.312 × 100 ☐ 312 ÷ 100   (> *or* < *or* = *or* ≤)

(5) A square of side length = 3.5 cm. , then its area = ·········· cm²

(14 *or* 122.5 *or* 12.25 *or* 7)

(6) A circle M , the length of its diameter = 10 cm. , if MA = 8 cm.
, then the point A lies ·········· the circle.

(inside *or* outside *or* on *or* otherwise)

(7) 43 days ≃ ·········· weeks. (to the nearest week)

(4 *or* 5 *or* 6 *or* 7)

(8) A − À = ··········   (À *or* A *or* ∅ *or* U)

(9) $736.592 \simeq 736.59$ (to the nearest ·············)

(unit **or** tenth **or** hundredth **or** thousandth)

(10) If $X \subset Y$, then $X \cup Y = $ ············· (X **or** Y **or** $\varnothing$ **or** U)

(11) The quotient of diving $1.92 \div 0.6 = $ ·············

(3.5 **or** 3.2 **or** 3.1 **or** 3)

(12) 7.3 m. = ············· dm. (7.3 **or** 0.73 **or** 73 **or** 730)

(13) The altitudes of the obtuse-angled triangle intersect at one point located ············· the triangle.

(inside **or** on **or** outside **or** otherwise)

(14) 7 ············· the set of days of the week. ($\in$ **or** $\notin$ **or** $\subset$ **or** $\not\subset$)

****

(9) $806.7 \div 100 = $ ············· (80.67 **or** 8.607 **or** 8.076 **or** 8.067)

(10) $\{5\}$ ············· $\{15 , 55\}$ ($\in$ **or** $\notin$ **or** $\subset$ **or** $\not\subset$)

(11) The altitudes of any triangle intersect at ·············

(three points **or** two points **or** one point **or** zero point)

(12) 40 days $\simeq$ ············· weeks. (to the nearest week)

(8 **or** 7 **or** 6 **or** 5)

(13) $2.7 \times 3.5 \boxed{} 0.27 \times 35$ ($\neq$ **or** $>$ **or** $<$ **or** $=$)

(14) If $\{3 , 5\} - \{5 , x\} = \varnothing$, then $x = $ ············· (3 **or** 5 **or** 8 **or** 2)

(15) $\varnothing$ ············· $\{0 , 7\}$ ($\in$ **or** $\notin$ **or** $\subset$ **or** $\not\subset$)

(16) $255 \div 25 = 2.55 \div$ ············· (2.5 **or** 0.25 **or** 25 **or** 2500)

(17) $\frac{3}{7} \times 1\frac{5}{9} = $ ············· ($\frac{3}{2}$ **or** $\frac{2}{3}$ **or** $1\frac{15}{63}$ **or** $\frac{3}{4}$)

(18) $6630 \div 195 = $ ············· (304 **or** 340 **or** 430 **or** 34)

(19) If $5 \in \{2 , x + 4 , 7\}$, then $x = $ ············· (1 **or** 5 **or** 9 **or** 13)

(20) $2 \boxed{} \frac{9}{4}$ ($>$ **or** $<$ **or** $=$ **or** $\geq$)

(21) If $X - Y = X$, then $X \cap Y = $ ············· (X **or** Y **or** U **or** $\varnothing$)

(22) A circle , its radius length = 3.5 cm. , then its diameter length = ············· cm.

(5 **or** 6.10 **or** 7 **or** 8)

****

(1) The triangle which the measures of its angles are 50° , 90° and 40° is called ············· triangle.

(acute-angled **or** obtuse-angled **or** right-angled **or** otherwise)

(2) $4\frac{1}{3} \times 2\frac{1}{13} = $ ············· (1 **or** 10 **or** 9 **or** 111)

(3) If $\{7 , 10\} = \{10 , x + 4\}$, then $x = $ ············· (3 **or** 4 **or** 5 **or** 6)

(4) $3.75 \times 1000 = $ ············· (0.375 **or** 0.0375 **or** 3750 **or** 37.5)

(5) $\frac{1}{2} \boxed{} \frac{1}{3}$ ($<$ **or** $>$ **or** $=$ **or** otherwise)

(6) $9.989 \simeq$ ············· (to the nearest 0.01) (9.9 *or* 10 *or* 9.99 *or* 9)

(7) 55.241×100 ☐ 522.41×10 (< *or* > *or* = *or* otherwise)

(8) $\frac{2}{3} \times$ ············· $= 1$ (1 *or* 2 *or* 3 *or* $\frac{3}{2}$)

(9) 43 days $\simeq$ ············· weeks.   (4 *or* 6 *or* 5 *or* 7)

(10) Each chord passing through the centre of the circle is called a ············· in the circle.   (diameter *or* radius *or* side *or* otherwise)

(11) The smallest number from the following is ·············

(0.111 *or* 0.12 *or* 0.123 *or* 1.023)

(12) If Y = {2 , 4 , 6} ∪ {1 , 2 , 3} , then 6 ············· Y

(∈ *or* ∉ *or* ⊂ *or* ⊄)

(13) A class has 40 pupils, 25 of them are boys and the remainder are girls , if a pupil is chosen randomly , then the probability that the chosen pupil is a girl = ·············   ($\frac{3}{8}$ *or* $\frac{5}{8}$ *or* $\frac{3}{5}$ *or* 1)

****

(1) $\frac{5}{6} \div 1\frac{1}{6} =$ ·············   ($\frac{5}{7}$ *or* $\frac{2}{6}$ *or* $\frac{3}{7}$ *or* $\frac{7}{6}$)

(2) 43 days $\simeq$ ············· weeks (to the nearest week) (4 *or* 6 *or* 5 *or* 7)

(3) If {2 , 3 , 4} = {3 , 4 , x} , then $x =$ ············· (2 *or* 3 *or* 4 *or* 5)

(4) 10×4.72 ☐ 100×0.472 (> *or* < *or* = *or* ≠)

(5) In any triangle , the number of its altitudes = ·············

(1 *or* 2 *or* 3 *or* 4)

(6) $3\frac{1}{8} \simeq$ ············· (to the nearest hundredth)

(3.10 *or* 3.12 *or* 3.13 *or* 3.11)

(7) ∅ ············· {0}   (= *or* ⊂ *or* ⊄ *or* ∈)

(8) 3.36 km. = ············· m.   (3.36 *or* 33.6 *or* 336 *or* 3360)

(9) **In the opposite figure :**

MN = ············· cm.
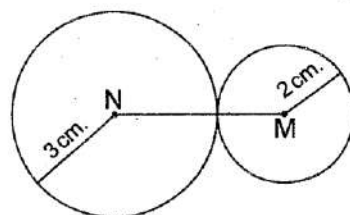
(2 *or* 3 *or* 6 *or* 5)

(10) If X = {3 , 4 , 5} , Y = {2 , 3 , 4} , then 5 ············· X − Y

(∈ *or* ∉ *or* ⊂ *or* ⊄)

(11) 48.2×3.7 ☐ 4.82×37 (> *or* < *or* = *or* ≠)

(12) The shaded part represents ……………
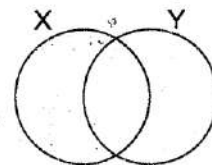
$(X \cap Y$ **or** $X \cup Y$ **or** $X - Y$ **or** $Y - X)$

(13) $12.3 \times$ ………… $= 1230$ $(10$ **or** 100 **or** 1000 **or** $10000)$

(14) $\{52\}$ ………… $\{5 , 2\}$ $(\in$ **or** $\notin$ **or** $\subset$ **or** $\not\subset)$

****

(1) $9\frac{3}{25} \simeq$ ………… (to the nearest tenth) $(0.9$ **or** 9.2 **or** 9.1 **or** $9)$

(2) 0.312×100 ☐ $312 \div 100$ $(>$ **or** $<$ **or** $=$ **or** $\leq)$

(3) The shaded part represents ……………
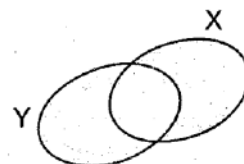
$(X \cup Y$ **or** $X \cap Y$ **or** $X - Y$ **or** $Y - X)$

(4) The number of altitudes in the right-angled triangle is …………

$(1$ **or** 2 **or** 3 **or** $4)$

(5) If $\{7 , 10\} \subset \{10 , x + 4\}$, then $x =$ …………

$(3$ **or** 4 **or** 5 **or** $6)$

(6) The reciprocal of $3\frac{1}{2}$ is ………… $(\frac{7}{2}$ **or** $\frac{2}{7}$ **or** $3\frac{2}{1}$ **or** $8)$

(7) $5.035 \simeq$ ………… $\left(\text{to the nearest } \frac{1}{100}\right)$ $(5$ **or** 500 **or** 5.04 **or** $5.03)$

(8) The set of odd numbers is ………… set.

$($ a finite **or** an empty **or** an infinite $)$

(9) The number of subsets of the set $\{a , b\}$ is …………

$(3$ **or** 4 **or** 5 **or** $2)$

(10) The length of the longest chord in the circle is 6 cm. , then the length of the radius of this circle = ………… cm. $(6$ **or** 3 **or** 4.5 **or** $12)$

(11) $\{7 , 8\}$ ………… $\{5 , 7 , 10\}$ $(\in$ **or** $\notin$ **or** $\subset$ **or** $\not\subset)$

(12) $\frac{5}{6} \div 1\frac{1}{6} =$ ………… $(\frac{5}{7}$ **or** $\frac{2}{6}$ **or** $\frac{3}{7}$ **or** $\frac{7}{8})$

(13) If $\frac{a}{3} = \frac{5}{15}$, then a = ………… $(4$ **or** 5 **or** 1 **or** $2)$

(14) 12 ………… $\{10 , 2\}$ $(\in$ **or** $\notin$ **or** $\subset$ **or** $\not\subset)$

****

(1) 3.36 km. = ·········· m.   (3.36 *or* 33.6 *or* 336 *or* 3360)

(2) 9.16 = ·········· (to the nearest tenth) (0.9 *or* 9.2 *or* 9.1 *or* 9)

(3) 0.312 × 100 ☐ 312 ÷ 100   (< *or* > *or* = *or* ≤)

(4) The smallest number from the following is ··········

$\qquad$ (0.111 *or* 0.12 *or* 0.123 *or* 1.023)

(5) $\frac{5}{6} \div 1\frac{1}{6}$ = ··········   ($\frac{5}{7}$ *or* $\frac{2}{6}$ *or* $\frac{3}{7}$ *or* $\frac{7}{6}$)

(6) A circle with a diameter length 6 cm. , then its radius length = ·········· cm.

$\qquad$ (2 *or* 4 *or* 3 *or* 6)

(7) The probability of the impossible event = ··········

$\qquad$ (0 *or* 1 *or* 0.5 *or* 2)

(8) If X ⊂ Y , then X ∪ Y = ··········   (X *or* Y *or* U *or* ∅)

(9) As throwing a fair die once , then the probability of getting an odd

number = ··········   (1 *or* 0 *or* $\frac{1}{2}$ *or* $\frac{1}{3}$)

(10) The number of altitudes of a triangle = ··········

$\qquad$ (1 *or* 2 *or* 0.5 *or* 3)

****

(1) A circle , its diameter length is 10 cm. , then its radius length = ·········· cm.

$\qquad$ (3 *or* 5 *or* 6 *or* 9)

(2) 0.737 ≃ ·········· (to the nearest hundredth)

$\qquad$ (0.72 *or* 0.74 *or* 0.738 *or* 0.8)

(3) If 9 ∈ {8 , 3 , x} , then x = ··········   (9 *or* 4 *or* 7 *or* 8)

(4) If $\frac{2}{5} = \frac{a}{15}$, then a = ··········   (6 *or* 9 *or* 7 *or* 1)

(5) If X = {1 , 2 , 3} , Y = {2 , 3 , 5 , 6} , then X ∩ Y = ··········

$\qquad$ ({1} *or* {2 , 3} *or* {1 , 2} *or* {1 , 2 , 3})

(6) Any triangle has ·········· altitudes.   (4 *or* 2 *or* 3 *or* 5)

(7) {2 , 5 , 6} − {6 , 5 , 3} = ··········

$\qquad$ ({2} *or* {2 , 5 , 6} *or* {5} *or* {5 , 6})

(8) 3 ·········· {2 , 3}   (∈ *or* ∉ *or* ⊂ *or* ⊄)

(9) $\frac{5}{8}$ ☐ $\frac{3}{8}$ (> *or* < *or* = *or* ≤)

(10) 7.134 × 100 = ·········· (0.7134 *or* 713.4 *or* 7134 *or* 71340)

(11) 1.2 × 3 = ··········   (4.8 *or* 0.36 *or* 0.48 *or* 3.6)

(12) $\frac{2}{5} \div \frac{1}{4}$ = ··········   ($\frac{8}{5}$ *or* $\frac{6}{5}$ *or* $\frac{2}{8}$ *or* $\frac{3}{8}$)

(13) ∅ ·········· {3 , 8}   (∈ *or* ∉ *or* ⊂ *or* ⊄)

(14) 75.3 ÷ 100 = ·········· (735 *or* 7.53 *or* 0.753 *or* 75300)

(1) $X \cup \grave{X}$ = ⋯⋯⋯⋯ (X *or* ∅ *or* U)

(2) 13.376 ≃ ⋯⋯⋯⋯ (to the nearest hundredth)

(13.37 *or* 13.38 *or* 13.36)

(3) 3.75 × 1000 = ⋯⋯⋯⋯ (0.375 *or* 3750 *or* 37.5)

(4) $\frac{1}{2}$ ☐ $\frac{1}{3}$ (> *or* < *or* =)

(5) If $\frac{x}{8} = \frac{15}{24}$, then x = ⋯⋯⋯⋯ (3 *or* 4 *or* 5)

(6) $\frac{2}{3}$ × ⋯⋯⋯⋯ = 1 (1 *or* 2 *or* $\frac{3}{2}$)

(7) $\frac{7}{10} \div \frac{9}{10}$ = ⋯⋯⋯⋯ ($\frac{7}{9}$ *or* $\frac{9}{10}$ *or* $\frac{7}{10}$)

(8) 7.2 × 0.9 = ⋯⋯⋯⋯ (6.48 *or* 648 *or* 0.648)

(9) 75.3 ÷ 100 = ⋯⋯⋯⋯ (753 *or* 7.53 *or* 0.753)

(10) ∅ ⋯⋯⋯⋯ {1 , 2 , 3} (∈ *or* ∉ *or* ⊂ *or* ⊄)

(11) If {2 , 5} = {5 , a} , then a = ⋯⋯⋯⋯ (1 *or* 2 *or* 3)

Revision

Grade 5

Complete

① If $y \subset x$ then $y \cap x = y$

② If $y \subset x$ then $y \cup x = x$

③ $A \cap A' = \underline{\phi}$

④ $A \cup A' = \underline{U}$

⑤ $A \cap \phi = \underline{\phi}$

⑥ $A \cup \phi = \underline{A}$

⑦ If $a \in x \cap y$ then $a \in \underline{x}$
  and $a \in \underline{y}$

⑧ If $x \cap y = y$, then $\underline{y \subset x}$

⑨ If $x \cup y = y$, then $\underline{x \subset y}$

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(17) $(X')' = \dots X \dots$

(18) $U' = \dots \phi \dots$

(19) $\phi' = \dots U$

(20) $X' \cap \phi = \dots \phi \dots$

$X' \cup \phi = \dots X' \dots$

$X' \cup U = \dots U \dots$

$X' \cap U = \dots X' \dots$

$X - U = \dots \phi \dots$

$U - X = \dots X' \dots$

$\phi - X = \dots \phi \dots$

$X - \phi = \dots X \dots$

$X - X = \dots \phi \dots$

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(21) $3 \frac{1}{8} \simeq 3.13$ To the nearest hundredth.

(22) $7.81 \times 1000 = 78.1 \times \underline{100}$

(23) $\frac{2}{5}$ is the reciprocal of $\underline{\frac{5}{2}}$

(24) If $7 \in \{2, 5, x-2\}$, then
$x = \underline{9}$

(25) $4 \frac{1}{3}$ minutes $\rightleftharpoons \underline{260}$ seconds

(26) $1 \frac{1}{2} \div 3 \frac{2}{3} = \underline{\frac{9}{22}}$

(27) $42.5 + 6.148 = \underline{48.648} \simeq \underline{48.7}$
to the nearest $\frac{1}{10}$

(28) $3.26 \, m = \underline{0.00326} \, km$

(29) If $A \subset B$, then $A \cap B = \underline{A}$
$A - B = \underline{\phi}$

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(30) 6357m ≃ __6___ km

(31) the probability of the sure ((certain) event is __1__

(32) The probability of the impossible event is __0__

(33) The number of altitudes of the Triangle is __3__

(34) The altitudes of right angled Triangle intersect at the vertex of the right angle

(35) The altitudes of the acute angled triangle intersect at _a paint_ _inside_ triangle

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(36) The altitudes of the obtuse angled triangle intersect at a point __Out side__ the triangle.

(37) __event__ is a subset from the sample space

(38) If the probability that a pupil passes an exam is $\frac{8}{10}$, then the probability that this pupil fails is __$\frac{1}{5}$__

(39) The triangle which the measure of its angles $50°$, $30°$ and $100°$ is called __obtuse__ angled triangle

(40) $346.2 \times 0.01 = $ __3.462__

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(41) The reciprocal of the number $1\frac{3}{8}$ is $\underline{\quad\frac{8}{11}\quad}$.

(42) $\underline{\quad\frac{9}{8}\quad} \div 3 = \frac{3}{8}$

(43) 225 hours $\simeq \underline{\quad 9 \quad}$ day

(44) $32\frac{9}{20}$ metre $= \underline{\quad 3245 \quad}$ cm

(45) $7.545 \simeq 7.55$ to the nearest $\underline{\quad hundreths \quad}$.

(46) 3.5 Km $= \underline{\quad 3500 \quad}$ m

(47) 560 cm $\simeq \underline{\quad 6 \quad}$ m

(48) $654.2 \div \underline{\quad 10 \quad} = 65.42$

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(49) 50 days ≈ ...7... to the nearest week

(50) ..6520.. ÷ 100 = 65.2

(51) 52.96 × ..0.01.. = 0.5296

(52) ..0.0653.. × 1000 = 65.3

(53) 255 ÷ 25 = 2.55 ÷ ..0.25..

(54) $\frac{7}{3}$ ≈ 2 to the nearest unit

(55) If $\frac{a}{7} = 1$ then a = ..7..

(56) ..8310.. ÷ 1000 = 8.31

Answer the questions

(1) A teacher bought a piece of cloth
10.5 metres long to be distributed
equally among excellent girls. she
gave each girl a piece of 1.5 m
How many excellent girls are
there ?

number of $= 10.5 \div 1.5$
girls
$\quad = 10.5 \times 10 \div 1.5 \times 10$
$\quad = 105 \div 15 = 7$ girls

$$
\begin{array}{r}
7 \\
15\overline{\smash)105} \\
105 \quad \underline{105} \\
00
\end{array}
$$

Answer the questions

① A teacher bought a piece of cloth 10.5 metres long to be distributed equally among excellent girls. She gave each girl a piece of 1.5m How many excellent girls are there?

number of girls $= 10.5 \div 1.5$
$= 10.5 \times 10 \div 1.5 \times 10$
$= 105 \div 15 = 7$ girls

$$
\begin{array}{r}
7 \\
15 \overline{\smash{)}105} \\
105 \underline{105} \\
00
\end{array}
$$

③ Find the Perimeter of a rectangle with an area = 7.56 cm² and a length of 3.6 cm.

Width $= \dfrac{Area}{length} = \dfrac{7.56}{3.6}$

$= 7.56 \div 3.6$

$= (7.56 \times 10) \div (3.6 \times 10)$

$= 75.6 \div 36 = 2.1$

$$
\begin{array}{r}
2.1 \\
36\overline{)75.6} \\
72 \\
\hline
3.6 \\
3.6 \\
\hline
0
\end{array}
$$

36 ①
72 ②

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$$\text{Perimeter} = (L + W) \times 2$$
$$= (3.6 + 2.1) \times 2$$
$$= 5.7 \times 2$$
$$= 11.4 \quad cm$$

[4] As throwing a f fair die once Calculate the probability of

(a) a number greater than 3 $\dfrac{3}{6} = \dfrac{1}{2}$

(b) an odd Prime number $\dfrac{2}{6} = \dfrac{1}{3}$

(c) A number divisible by 4 $\dfrac{1}{6}$

(d) an even Prime number $\dfrac{1}{6}$

② Find the area of the square whose side length is 4.6 m to the nearest hundred th.

Area $= S \times S$

Area $= 4.6 \times 4.6 = 21.16$ m²

$$
\begin{array}{r}
4.6 \\
\times\ 4.6 \\
\hline
276 \\
+\ 1840 \\
\hline
21.16 \quad m^2
\end{array}
$$

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(e) a number less than or equal 6 $\frac{6}{6} = 1$

(sure event

(f) a number less than 1 $\frac{0}{6} = 0$

(impossib even

(g) a prime number $\frac{3}{6} = \frac{1}{2}$

(h) getting a number 3 $\frac{1}{6}$

(i) getting a multiple of 2 $\frac{3}{6} = \frac{1}{2}$

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[5] Given $L = 52.3723$

$M = 21.7494$

estimate the sum of $L + M$ then Compare your estimation with the Sum to the nearest **hundredth**.

estimation	actual Sum
L is estimated to 52	$L + M =$
M is estimated to 22	52.3723
	$+ 21.7494$
$L + M = 52 + 22$	74.1217
$= 74$	$\simeq 74.12$

estimation is acceptable.

6 A box Contains Cards numbered from 1 to 20 if a Card is drawn randomly, the probability that the Card number is divisible by 6?

$$S = \{ 1,2,3,4,5,6,7,8,9,10,11 \\ 12,13,14,15,16,17,18,19,20 \}$$

$$n(S) = 20$$

probabity that a number divisible by 6 $= \dfrac{3}{20}$

6   12   18

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01212644315

7 Marwa had L·E 60, she spent $\frac{1}{3}$ of her money on ~~meat~~ and $\frac{1}{4}$ of the money on vegetables. How much did she spend all together?

price of meat $= \frac{1}{3} \times \frac{\cancel{60}^{20}}{1} = $ L·E 20

①

Price of Vegetable $= \frac{1}{\cancel{4}_2} \times \frac{\cancel{60}^{30}}{1} = $ L·E 15

① ⑮

She Paid $= 20 + 15 = $ L·E 35

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01212644315

8 Rania made Some Juice.

she gave $\frac{1}{4}$ of it to her neighbor and Poured the rest equally into 9 bottles. what fraction of the Juice did each bottle Contain?

Rest $= 1 - \frac{1}{4}$

$= \frac{4}{4} - \frac{1}{4} = \frac{3}{4}$

each bottle $= \frac{3}{4} \div 9 =$

$\frac{\overset{1}{3}}{4} \times \frac{1}{\underset{3}{9}} = \frac{1}{12}$

Eng= Asmaa Omar   01212649315

9 A cyclist cover 1.85 km per one minute. How many kilometres does he cover in 7 minutes ?

$$1.85 \times 7 = 12.95 \text{ km}$$

10 Hany has 40 pounds, he bought 12 Cans, each for price of one 1.85 pounds. What is the remainder with him ?

he paid $= 1.85 \times 12 =$

$$
\begin{array}{r}
1.85 \\
12 \\
\hline
370 \\
+ 1850 \\
\hline
22.20
\end{array}
$$

Remainder $= 40.0 - 22.2 =$

$$
\begin{array}{r}
40.0 \\
- 22.2 \\
\hline
17.8
\end{array}
$$

$$= 17.8 \text{ Ponds}$$

[11] a Card is drawn at random from 10 Cards numbered from 1 to 10 find the Probability that the drawn Card Carry

(a) aPrime number. $\frac{4}{10} = \frac{2}{5}$

(b) an even number greater than 6 $\frac{2}{10} = \frac{1}{5}$

[12] Omar bought 7.5 kg of meat if the price of of one Kg is 42.5 Pounds CalCulate to nearest Pound the price of meat

Price of meat $= 7.5 \times 42.5$

(2)
$$
\begin{array}{r}
42.5 \\
\times \quad 7.5 \\
\hline
2125 \\
+ \quad 29750 \\
\hline
318.75 \quad \approx \quad 319
\end{array}
$$
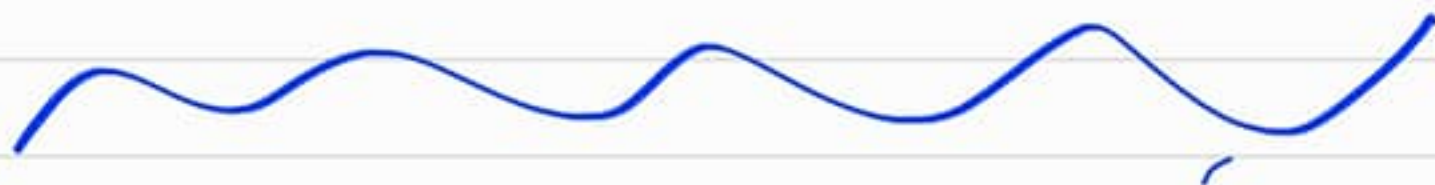
Price of meat $= 7.5 \times 42.5$

②
$$
\begin{array}{r}
42.5 \\
\times \quad 7.5 \\
\hline
2125 \\
+ \; 29750 \\
\hline
318.75 \quad \approx \; 319
\end{array}
$$
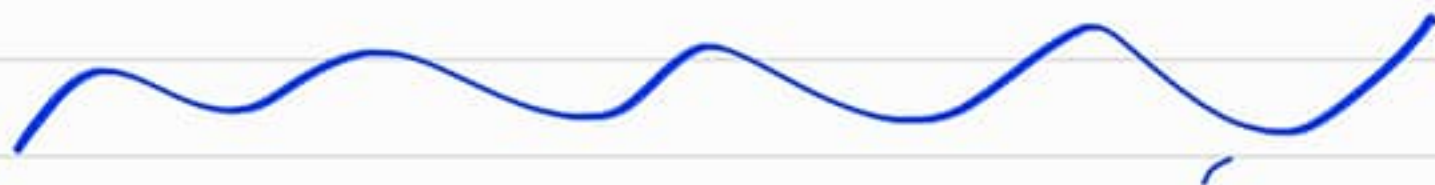
⑪ If $a \in X$ or $a \in Y$, then $a \in$ _X∪Y_

⑫ If $a \in X$ and $a \in Y$ then $a \in$ X∩Y

⑬ If $X \cap Y = \phi$, then the two sets X and Y are disjoint...

⑭ If $X \cup Y = \phi$, then the two sets X and Y are _empty_ sets.

⑮ If $X \cap Y = X \cup Y$, then the two sets X and Y are _equal_ sets.

⑯ $X \cap X =$ _X_
$X \cup X =$ _X_
$\phi \cap \phi =$ _ϕ_
$\phi \cup \phi =$ _ϕ_

January 2010

Revision for primary "5"
first term

[1] Complete:-

[1] In ____ triangle, all sides are equal, in ____ triangle only two sides are equal in length and in ____ triangle all sides are different in length.

[2] In any triangle, there are ____ altitudes and all of them are intersected at ____ point.

[3] In acute angled triangle, all altitudes are intersecting at ____ point that is ____ the triangle.

[4] In obtuse angled triangle, the intersection point of the altitudes is ____ triangle.

[5] In right angled triangle, the intersection point of the altitudes is ____ of triangle.

[6] In a triangle ABC, we can draw an altitude from point A on ____

[7] In an equilateral triangle, all sides are ____ .

[8] In any Circle, there is only one ____

[9] There are ____ radii in a circle and all of them are ____ in length.

[10] A ____ is a chord passing through the centre of the circle.

[11] In a circle, if diameter is 10 cm then its radius is ____ cm.

[12] In a circle, if radius is 4.5 cm then its diameter is ____ cm.

[13] A ____ is the longest chord in a circle.

[14] The probability of certain (sure) event is ____ but the probability of impossible event is ____

[15] The probability of possible event is between ____ and ____

[16] The probability of the appearance of an odd number on the upper face of a die is ____

[17] A class has 20 pupils, 12 of them are girls then the probability of choosing a girl randomly is ____ and probability of choosing a boy is ____

[18] ∅ is an ____ set and is ____ of anyset.

[2] 1) Draw a triangle ABC in which AB = 6cm, BC = 5cm and AC = 7cm. From point A draw an altitude on $\overline{BC}$. Find the length of this altitude.

2) Draw an equilateral triangle XYZ in which XY = 6cm. Draw from Y an altitude on $\overline{XZ}$.

3) Draw a circle M with radius MA= 4cm, draw a chord AB = 6cm

4) Draw a circle X with diameter AB = 10cm, draw a chord AH = 7cm

[3] Complete: From the opposite figure:

① ..... is the centre of a circle.

② —, —, — are radii of a circle.

③ ..., —, — are chords of a circle.

④ _____ diameter of a circle.

⑤ If BC = 6cm, then XC =....cm, XA =....cm

⑥ If XB = 2cm then XC =....cm

⑦ $\overline{AX}$ is half ......
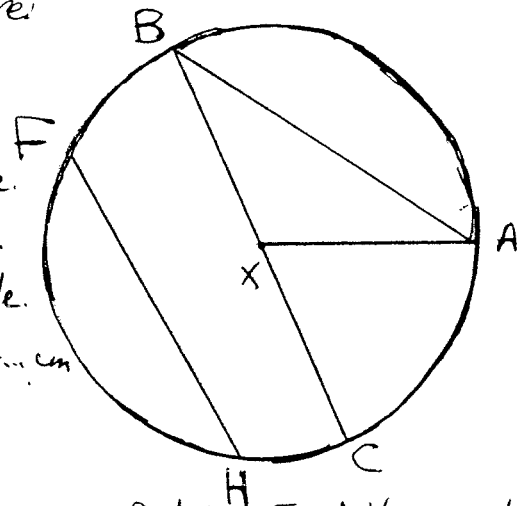
[4] ① A class has 40 pupils if $\frac{1}{10}$ of them are failed. Find the number of succeeded pupils.

② A box has 30 coloured balls, 10 of them are red. If we choose randomly a ball randomly, then the probability of getting a red ball is _____

③ Mona is rolling a die once, the probability that are getting an even number on the upper face is _____

④ The opposite figure is a spinner game if we roll pointer once Find the probability the pointer stops at:
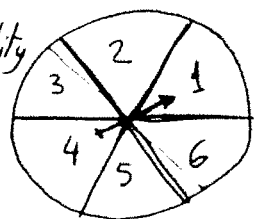
a) number 1 ⟶

b) number 5 ⟶

c) odd number ⟶

d) number 9 ⟶

e) number between 3 and 6 is ⟶ ____

(3)

---

1 Complete :

① $18\frac{3}{4} + 72.1185 = $ _____ ≃ _____ (to the nearest $\frac{1}{1000}$)

② $8.916 - 2\frac{1}{2} = $ ____ ≃ ____ (to the nearest tenth).

③ $17.947 ≃$ ____ (to the nearest 2-dec. places).

④ $0.9996 ≃$ ____ (to the nearest thousandth).

⑤ The number $73.7694 ≃ 73.77$ to the nearest _____.

⑥ $\frac{9}{7} ≃$ ____ (to the nearest hundredth).

2 Divide :(with steps):-

$123\overline{)4428}$ $345\overline{)72795}$

$2.5\overline{)6.25}$ $3.2\overline{)13.76}$

(3) Ahmed bought 7.5 kg of apples for L.E 86.25 Find the price of each kg approximately to the nearest pound?

(4) Mona bought 4.5 kg of bananas for L.E 6.25 each How much money did she pay?

(5) Arrange the following in ascending order :-

* $1\frac{5}{6}$, $1\frac{7}{12}$, $1\frac{3}{4}$, $1\frac{1}{3}$

* $\frac{7}{10}$, $\frac{3}{4}$, $\frac{4}{5}$

* $1\frac{7}{8}$, $\frac{5}{7}$, $1\frac{3}{4}$

* put $>$, $<$ or $=$:-

• $\frac{3}{8}$ ☐ $\frac{4}{5}$ • $\frac{7}{9}$ ☐ $\frac{6}{10}$

• $\frac{4}{5}$ of 50 ☐ $\frac{9}{10}$ of 40

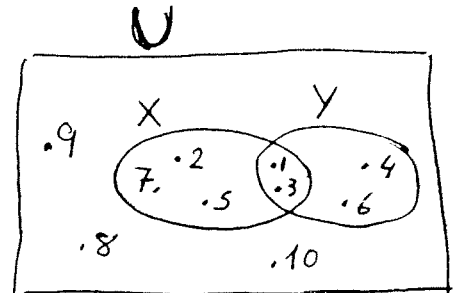(6) From the opposite venn diagram :-
      Complete :

* $U = \{$ _ _ _ _

* $X = \{$

* $Y = \{$

* $X - y = \{$

* $X' = \{$

* Use $\in$ or $\notin$ → 3 _ _ _ X
                          10 _ _ _ Y

$X \cap y = \{$

$X \cup y = \{$

6 _ _ _ U ϕ _ _ _ X
10 _ _ _ U ϕ _ _ _ Y

Complete the following venn diagram If :-
$U = \{a, b, c, d, e, f, g\}$
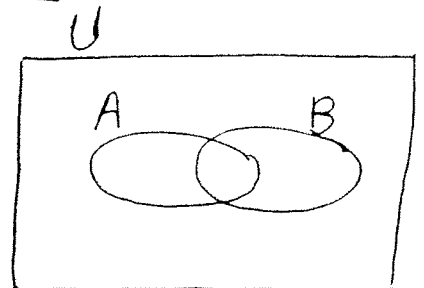$A = \{a, c, d, f\}$
$B = \{a, b, e\}$
Then find : • $A \cap B = \{$ _ _
• $A \cup B = \{$
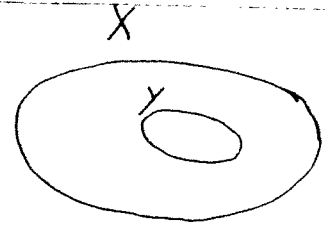• $B - A = \{$ _ _

Complete the following venn diagram

$X = \{1, 2, 3, 4, 5\}$
$Y = \{3, 5\}$ then find:
$X - Y = \{$
$Y - X = \{$
Is $X \subset Y$? ....   • Is $Y \subset X$? ....

Find out the result:-

① $2\frac{1}{2} \times \frac{2}{5} =$

② $3\frac{1}{3} \times \frac{2}{5} =$

③ $4\frac{1}{5} \times \frac{5}{7} =$

④ $5\frac{1}{3} \times 1\frac{1}{2} =$

⑤ $4 \times 2\frac{1}{2} =$

⑥ $5\frac{2}{5} \div \frac{3}{5} =$

⑦ $\frac{3}{5} \div 2\frac{1}{4} =$

Complete:

① The reciprocal of $\frac{5}{7}$ is ....
② The reciprocal of $2\frac{1}{2}$ is ...
③ $\frac{4}{5} \times .... = 1$
④ $\frac{5}{9} \div .... = 1$

1) If there are 365 days in a year, how many years are there in 8775 days?

2) A cyclist covered 38.7 m in 4.5 hours. How many km. can he cover in one hour?

3) A box contains 4 white balls, 3 blue balls and 5 red balls, all of which are of equal size. When one ball is drawn at random from the box find the probability of getting ① a blue ball
② a red ball
③ a yellow ball.

4) Draw triangle XYZ in which XY = 6cm, YZ = 8cm, XZ = 10cm. Draw all its altitudes.

5) If $A = \{1, 2, 3, 4, 5\}$, $B = \{1, 3, 6, 8\}$, $U = \{1, 2, 3, 4, 5, 6, 7, 8\}$
Then $A \cap B$ = -----
$A \cup B$ =
A' =
B' =
$A - B$ =
$B - A$

Complete :
① The place value of 7 in the number 25.3798 is ......
② A worker earns L.E $2\frac{1}{2}$ per hour, then he got L.E ...... in 10 hours?
③ $U = \{1, 2, 3, 4\}$ and $X = \{2, 3, 4\}$ then X' = ...
④ $\frac{5}{8} \div 10$ = -----